

MLV-LTR

Figure 1. Schematic structure of CeB expression vector

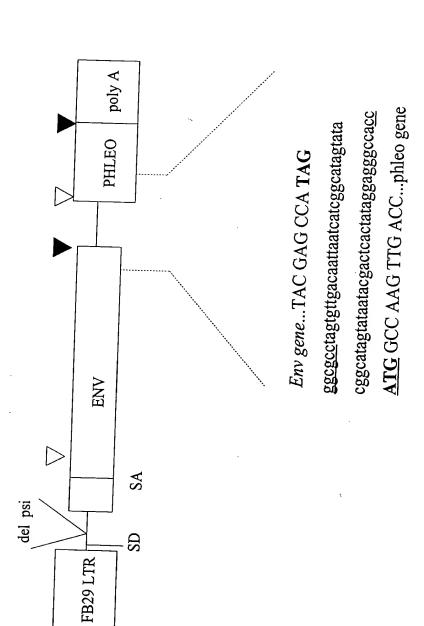


Figure 2. Schematic structure of FbdelPASF expression vector

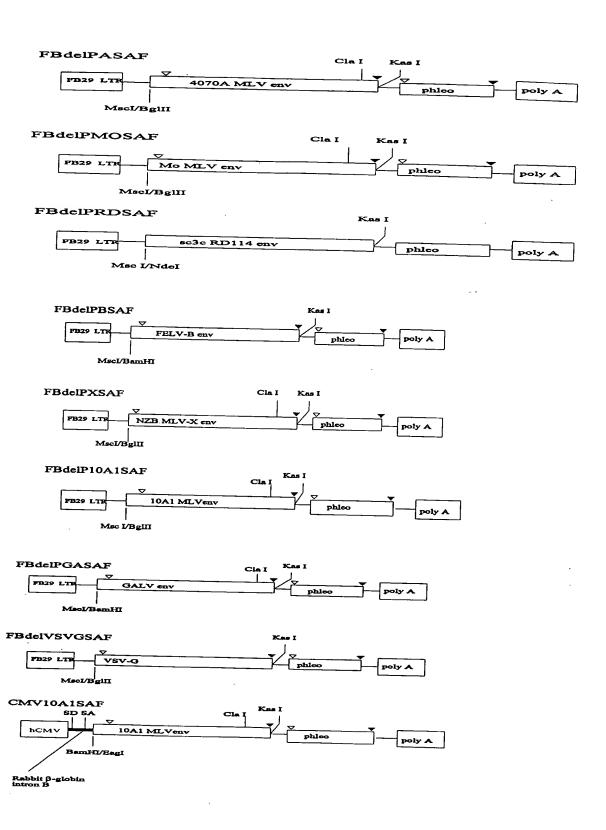
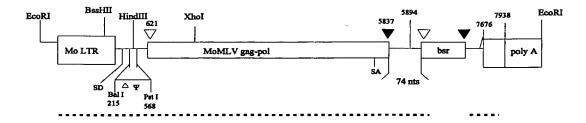


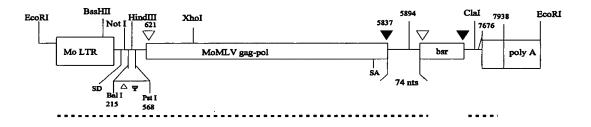
Figure 3. Schematic structure of env expression vectors

NGAGCTCAGGACAGGTAGAAAGAATGAATAGAACAATAAAAGAGACCCTTACTAAATTGA 60 CCTTAGAGACTGGCTTAAAAGATTGGAGACGCCTCCTATCTCTGGCTTTGTTAAGAGCCA 120 GAAATACGCCCAACCGTTTTCGGCTCACCCCATATGAAATCCTTTATGGGGGACCCCCCC 180 CTTTGTCAACCTTGCTCAATTCCTTCTCCCCCTCCGATCCTAAGACTGATTTACAAGCCC 240 GACTAAAAGGGCTGCAAGGCCTGCAGGCCCAAATCTGGACACCCCTGGCCGAATTGTACC 300 GGCCAGGACATCCACAAACTAGCCACCCATTTCAGGTGGGAGACTCCGTGTACGTCCGGC 360 GGCACCGCTCTCAAGGATTGGAGCCTCGTTGGAAGGGACCTTACATCGTCCTGACCA 420 CGCCCACCGCCATAAAGGTTGACGGGATCGCCGCCTGGATTCACGCATCGCACGCCAAGG 480 CAGCCCCAAAAACCCCTGGACCAGAAACTCCCAAAACCTGGAAGCTCCGCCGTTCGGAGA 540 ACCCTCTTAAGATAAGACTCTCCCGTGTCTGACTGCTAATCCACCTTGTCCCTGTACTAA 600 CCCAAAATGAAACTCCCAACAGGAATGGTCATTTTATGTAGCCTAATAATAGTTCGGGCA 660 **GGGTTTG**ACGACCCCCGCAAGGCTATCGCATTAGTACAAAAACAACATGGTAAACCATGC CCAGGCAAGACGGCCTACTTAATGACCAACCAAAAATGGAAATGCAGAGTCACTCCAAAA 840 ATCTCACCTAGCGGGGGAGAACTCCAGAACTGCCCCTGTAACACTTTCCAGGACTCGATG 900 CACAGTTCTTGTTATACTGAATACCGGCAATGCAGGCGAATTAATAAGACATACTACACG 960 GCCACCTTGCTTAAAATACGGTCTGGGAGCCTCAACGAGGTACAGATATTACAAAACCCC 1020 AATCAGCTCCTACAGTCCCCTTGTAGGGGCTCTATAAATCAGCCCGTTTGCTGGAGTGCC 1080 ACAGCCCCCATCCATATCTCCGATGGTGGAGGACCCCTCGATACTAAGAGAGTGTGGACA 1140 GTCCAAAAAAGGCTAGAACAAATTCATAAGGCTATGACTCCTGAACTTCAATACCACCCC 1200 TTAGCCCTGCCCAAAGTCAGAGATGACCTTAGCCTTGATGCACGGACTTTTGATATCCTG 1260 AATACCACTTTTAGGTTACTCCAGATGTCCAATTTTAGCCTTGCCCAAGATTGTTGGCTC 1320 TGTTTAAAACTAGGTACCCCTACCCCTCTTGCGATACCCACTCCCTCTTTAACCTACTCC 1380 CTAGCAGACTCCCTAGCGAATGCCTCCTGTCAGATTATACCTCCCCTCTTGGTTCAACCG 1440 ATGCAGTTCTCCAACTCGTCCTGTTTATCTTCCCCTTTCATTAACGATACGGAACAAATA 1500 GACTTAGGTGCAGTCACCTTTACTAACTGCACCTCTGTAGCCAATGTCAGTAGTCCTTTA 1560 TGTGCCCTAAACGGGTCAGTCTTCCTCTGTGGAAATAACATGGCATACACCTATTTACCC 1620 CAAAACTGGACCAGACTTTGCGTCCAAGCCTCCCTCCCCCGACATTGACATCAACCCG 1680 GGGGATGAGCCAGTCCCCATTCCTGCCATTGATCATTATATACATAGACCTAAACGAGCT 1740 GTACAGTTCATCCCTTTACTAGCTGGACTGGGAATCACCGCAGCATTCACCACCGGAGCT 1800 ACAGGCCTAGGTGTCTCCGTCACCCAGTATACAAAATTATCCCATCAGTTAATATCTGAT 1860 GTCCAAGTCTTATCCGGTACCATACAAGATTTACAAGACCAGGTAGACTCGTTAGCTGAA 1920 GTAGTTCTCCAAAATAGGAGGGGACTGGACCTACTAACGGCAGAACAAGGAGGAATTTGT 1980 TTAGCCTTACAAGAAAAATGCTGTTTTTATGCTAACAAGTCAGGAATTGTGAGAAACAAA 2040 TGGACCGGGCTGCAGGGCTTTCTTCCGTACCTCCTACCTCTCCTGGGACCCCTACTCACC 2160 CTCCTACTCATACTAACCATTGGGCCATGCGTTTTCAGTCGCCTCATGGCCTTCATTAAT 2220 GATAGACTTAATGTTGTACATGCCATGGTGCTGGCCCAGCAATACCAAGCACTCAAAGCT 2280 GAGGAAGAAGCTCAGGATTGAGCTTCCGGGACAAAAGCAGGGGGGAATGAGAAGTCAGAA 2340 CCCCCCACCTTTGCTACATAAATAACCGCTTTCATTTCGCTTCTGTAAAACGCTTATGCG 2400 CCCCACCCTAGCCGGAAAGTCCCCAGCCGCTACGCAACCCGGGCCCCGAGTTGCATCAGC 2460 CGTTCGCAACCCGGGCTCCGAGTTGCATCAGCCGAAAGAACTTCATTTCCCAAGCTT 2518

# CeB



# CeB DS-



### hCMV-intron

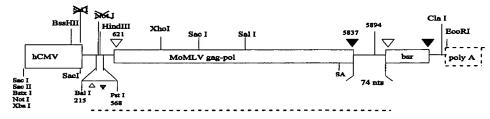


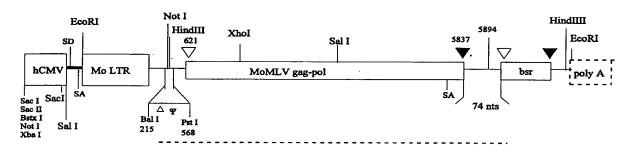
Figure 5. Genetic structure of gag-pol constructs (page 1/3)

#### hCMV-intron 2P

hCMV + intron,

ΔΨ

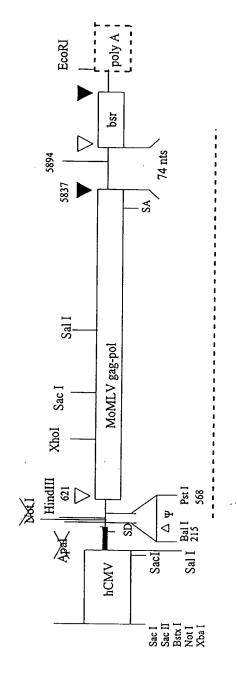
Sal I Bal I



hCMV + intronkaSD Noti HindIII XhoI EcoRI EcoRI Sal I 5837 hCMV MoMLV gag-pol poly A SD SacI

Figure 5. Genetic structure of gal-pol constructs (page 2/3)

hCMV +SD intron



hCMV + leader

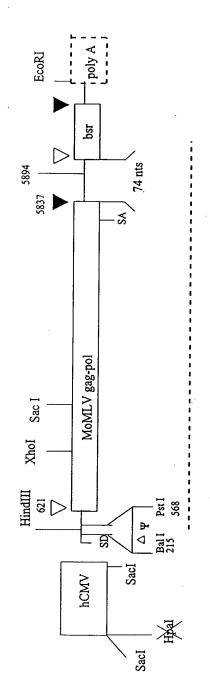
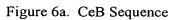


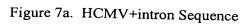
Figure 5. Genetic Structure of gag-pol constructs (page 3/3)



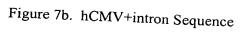
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CTAGGGAGGT	CAGGGTCACC	ACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	ACCCCAGACC	TCCCTCCTGA	CCCTAGATGA	2340
GCAACCCGTC	CAGGGTCAGG ACCTTCCTGG	TACATA CTCC	TGAACCCAGG	ATAACCCTCA	AAGTCGGGGG	2400
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CTGGACCACG	GATCGCAAAG	TACATOTACO	TACCCCTA AC	ACTGGAGGAA	AGCGGTATCG	2520
TGTACCAGAC	TGTCCCTATC	CTCTCTTAGC	ANCACAMMO	GTCACCCACT	CTTTCCTCCA	2580
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GC I GWC I GWG	CCAGAAAAG	AGACTGTGAT	CCCCCACCCA	ACTCCCA ACA	CCCCCCCCC	3600
WC I WWGGGWG	TICCTAGGGA	CGGCAGGCTT	CTGTCGCCTC	TOTAL	CCMMMCCAACA	3660
WY COCKOCC	CCCTTGTACC	CTCTCACCAA	AACGCGCACT	יואט ע עינאנאנטלעט	CCCCCCCC	3720
GCCAGATTTC	ACTARCACO	MAAITAAGCA	AGCTCTTCTA	ACTGCCCCAG	CCCTGGGGTT	3780
TGTCCTAACG	CAAAAACTCC	TIGNACICIT	TOTOGACGAG	AAGCAGGGCT	ACGCCAAAGG	3840
AGACCCAGTA	GCAGCTGGGT	CCCCT IRRCG	TCGGCCGGTG	CTACCTGT	CCAAAAGCT TTGCCGTACT	
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AGTAGAGGCA	CTAGTCAAAC	AACCCCCCGA	CCCCTCCACIA	ACCUTACTOR	GCCCCCATGC GGATGACTCA	4020
	,-				GGATGACTCA	4080

Figure 6b. CeB Sequence

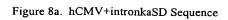
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AGCCATCAC	A GAGACTCCA	CINCROCOLA	A CCGGATGGC	T GACCAAGCG	G CCCGAAAGGC T CACCCTACAC	4680
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TTGGATACAC	GCCGCCCACG	TOACCACCCC	CACCGCCCTC	AAAGTAGACG	GCATCGCAGC CCTCTAGACT	5820
GACATGGCGC	GTTCAACGCT	CTCAAAACC	CGACCCCGGG	GGTGGACCAT	CCTCTAGACT	5880
CTAATCCCCT	GTTCAACGCT	CICAAAACCC	CTTAAAAATA	AGGTTAACCC	GCGAGGCCCC	5940
GCGGCCCAGC	TAATTCTTCT	GATGCTCAGA	GGGGTCAGTA	CTGCTTCGCC	CGGCTCCAGT	6000
GAAGTAGCGA	CAGACACCAT	GAAAACATTT	AACATTICTC	AACAAGATCT	AGAATTAGTA	6060
GCA ATTCCTA	CAGAGAAGAT	TACAATGCTT	TATGAGGATA	ATAAACATCA	TGTGGGAGCG	6120
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GGTCCTGTAG	TGACTGTCAA	CICCONCALL	COCCARACC	ACAGTTTGAG	CAGGATATTT	7380
ATGAAAATTT	TTTGCTAACA GACCCTTGAA	TCCCCTGCAG	CICCAAAGGT	TCCCCACCAA	CAGCAAAAAA	7440
TGAATGCAAG	GACCCTTGAA TTTAACATAG	TOGGLILICC	AGCACCATTT	TCATGAGTTT	TTTGTGTCCC	7500
CCACATCAAA	TTTAACATAG	CAGTTACCCC	AATAACCTCA	GITTTAACAG	TAACAGCTTC	7560
	ATATTTCCAC	MGGTTAAGTC	CTCATTTAAA	TTAGGCAAAG	GAATTC	7616



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AGATCTCCCG ATCCCCTATG GTCGACTCTC AGTACAATCT GCTCTGATGC CGCATAGTTA	
AGCCAGTATC TGCTCCCTGC TTGTGTGTTG GAGGTCGCTG AGTAGTGC CGCATAGTTA TAAGCTACAA CAAGGCAAGG CTTGACCGAC AATTCCCTTG AGTAGTGCGC GAGCAAAATT	
TAAGCTACAA CAAGCCAAGC COORDINATE GAGGICGCIG AGTAGTGCGC GAGCAAAATT	60
CGTTTTGCGC TCCTTCCCCA TCTTCCCCA AGAATCTGCT TAGGGTTAGG	120
AGTTATTAAT AGTAATCAAT TAGGGGGGGGGAATATACGC GTTGACATTG ATTATTGACT	180
GTTACATAAC TTACCGTAAA TCCCCCCCCCCCCCCCCC	240
ACGTCAATAA TGACCTATCT TCCCTATCC	300
TGGGTGGACT ATTTACCOTA ACGCCAATAG GGACTTCCA TTGACGTCAA	360
TGGGTGGACT ATTTACGGTA AACTGCCCAC TTGGCAGTAC ATCAAGTGTA TCATATGCCA AGTACGCCC CTATTGACGT CAATGACGGT AAATGGCCCG CCTGGCATTA TGCCCAGTAC ATGACCTTAT GGGACTTTCC TACTTGGCAG TACATGTACG CCC CCTGGCATTA TGCCCAGTAC	420
ATGACCTTAT GGGACTTAG TAGACCCG CCTGGCATTA TGCCCAGTAC	-00
ATGGTGATGC CGTTTTCCCA CTACTACTACG TATTAGTCAT CGCTATTACC	540
ATGGTGATGC GGTTTTGGCA GTACATCAAAT GGGCGTGGAT AGCGGTTTGA CTCACGGGGA TTTCCAAGTC TCCACCCCAT TGACGTCAAT GGGAGTTTGT TTTGGCACCA AAATCAACGG GACTTTCCAA AATGTCGTAA CAACTCCGCC CCATTGACGCA AAATCAACGG	600
GACTITICAL ANTICOCAT TGACGTCAAT GGGAGTTTGT TTTGGCACCA AAATCAACCA	660
GACTTTCCAA AATGTCGTAA CAACTCCGCC CCATTGACGC AAATGGGCGG TAGGCGTGTA	720
CGGTGGGAGG TCTATATAAG CAGAGCTCTC TGGCTAACTA GAGAACCCAC TGCTTAACTG	780
GCTTATCGAA ATGTCGACTG AGAACTTCAG GGTGAGTTTG GGGACCCAC TGCTTAACTG CTTTTTCGCT ATTGTAAAAT TCATGTTATA TGCACCCCCC AAACTCCTTTT	840
CTTTTTCGCT ATTGTAAAAT TCATGTTATA TGGAGGGGGC AAAGTTTTCA GGGTGTTGTT TAGAATGGGA AGATGTCCCT TGTATCACCA TGCACCCTCA TGCACCCCTCA TGCACCCTCA TGCACCTCA TGCACCCTCA TGCACCCTCA TGCACCCTCA TGCACCCTCA TGCACCCTCA TGCACCTCA TGCACCCTCA TGCACCCACCCTCA TGCACCCCTCA TGCACCC	900
TAGAATGGGA AGATGTCCCT TGTATCACCA TGGACCCTCA TGATAATTTT GTTTCTTCA	960
CTTTCTACTC TGTTGACAAC CATTGTCTCC TCTTATTTTC TTTTCATTTT GTTTCTTTCA TTCGTTAAAC TTTAGCTTGC ATTTGTAACG ATTTGTAACG ATTTTTTAACTTTT CTGTAACTTT	1020
TTCGTTAAAC TTTAGCTTGC ATTTGTAACG AATTTTTAAA TTCACTTTT CTGTAACTTT AGATTGTAAG TACTTTCTCT AATCACTTTT TTTTCAAAA TTCACTTTTG TTTATTTGTC	1080
AGATTGTAAG TACTTTCTCT AATCACTTTT TTTTCAAGGC AATCAGGGTA TATTATTTGTC TACTTCAGCA CAGTTTTAGA GAACAATTGT TATAATTAAA	1140
TACTTCAGCA CAGTTTTAGA GAACAATTGT TATTAATTAGA TGATAAGGTA TATTATATTG GCATATAAAT TCTGGCTGGC GTGGAAATAT TCTTATTGCT GCATATAAAT TCTGGCTGGC GTGGAAATAT TCTTATTGCT	1200
GCATATAAAT TCTGGCTGGC GTGGAAATAT TCTTATTGGT AGAAACAACT ACATCCTGGT CATCATCCTG CCTTTCTCTT TATGGTTACA ATGATATACA	1260
CATCATCCTG CCTTTCTCTT TATGGTTACA ATGATATACA CTGTTTGAGA TGAGGATAAA ATACTCTGAG TCCAAACCGG GCCCTCTGC TAACGATCTTT	1320
ATACTCTGAG TCCAAACCGG GCCCCTCTGC TAACCATGTT CATGCCTTCT TCTTTTTCCT	1380
ACAGCTCCTG GGCAACGTGC TGGTTGTTGC GCTGTCTCTT CATGCCTTCT TCTTTTTCCT GCAAGCTTCT GCAGCATCGT TCTGTTGTT GCTGTTCTCAT CATTTTGGCA AGAATTGGCC	1440
GCAAGCTTCT GCAGCATCGT TCTGTGTTGT CTCTGTCTGA CTGTGTTCT GTATTTGTCT GAGAATATGG GCCAGACTGT TACCACTCCC TTALACTTCTCT GTATTTGTCT	1500
GAGAATATGG GCCAGACTGT TACCACTCCC TTAAGTTTGA CCTTAGGTCA CTGGAAAGAT GTCGAGCGGA TCGCTCACAA CCAGTCGGTA CATCTCACAA CCTTAGGTCA CTGGAAAGAT	1560
GTCGAGCGGA TCGCTCACAA CCAGTCGGTA GATGTCAAGA AGAGACGTTG GGTTACCTTC	1620
TGCTCTGCAG AATGGCCAAC CTTTAACGTC GGATGGCCGC GAGACGCAC CTTTAACCTA GACCTCATCA CCCAGGTTAA GATCAACGTC TTTTAACGAC GAGACGCAC CTTTAACCGA	1680
GACCTCATCA CCCAGGTTAA GATCAAGGTC TTTTCACCTG GCCGCATGG ACACCCAGAC CAGGTCCCCT ACATCGTGAC CTGGGAAGCC	1740
CAGGTCCCT ACATCGTGAC CTGGGAAGCC TTGTCACCTG GCCCGCATGG ACACCCAGAC CCCTTTGTAC ACCCTAAGCC TCGCCTCCT CTGGGTCAAG	1800
CCCTTTGTAC ACCCTAAGCC TCCGCCTCCT CTTCCTCCATC CCGCCCGTC TCTCCCCTTT	1860
GAACCTCCTC GTTCGACCCC GCCTCGATCC TCCCTTTATC CAGCCCTCAC TCCTCCTTTAGC CGCCCCAAAC CTAAACCTCA AGTTCTTTTTC CAGCCCTCAC TCCTTCTCTA	1920
GGCGCCAAAC CTAAACCTCA AGTTCTTTCT GACAGTGGGG GGCCGCTCAT CGACCTACTT ACAGAAGACC CCCCGCCTTA TAGGGACCA	1980
ACAGAAGACC CCCCGCCTTA TAGGGACCCA AGACCACCC CTTCCGACAG GGACGGAAAT	2040
GGTGGAGAAG CGACCCTGC GGGAGAGCA CCGACCCC CTTCCGACAG GGACGGAAAT CGTGGGAGAC GGGAGCCCC TGTGGCCAACCCT CCCCAATGC ATCTCGCCTA	2100
CGTGGGAGAC GGGAGCCCC TGTGGCCGAC TCCACTACCT CGCAGGCATT CCCCTTCACCT GCAGGAGGAA ACGGACAGCT TCAATACCT CGCAGGCATT CCCCCTCCGC	2160
GCAGGAGGAA ACGGACAGCT TCAATACTGG CCGTTCTCT CTCTGACCT TTACAACTGG AAAAATAATA ACCCTTCTTT TTCTGAAGAT CCACCTTCTCT CTTCTGACCT TTACAACTGG	2220
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GTTCTCATCA CCCATCAGCC CACCTGGGAC GACTGTCAGC AGCTGTTGGG GACTCTGCTG ACCGGAGAAG AAAACAACG GGTCCTCTTTA CACCGGAGAAG AAAACAACG GGTCCTCTTTA CACCGGAGAAC AGCTGTTGGG GACTCTGCTG	2340
ACCGGAGAAG AAAACAACG GGTGCTCTTA GAGGCTTGAGA AGGCGGTGCG GGGCGATGAT GGGCGCCCCA CTCAACTGCC CAATGAAGTC	2400
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TGGGATTACA CCACCAGGC AGGTAGGAAC CACCTAGTCC ACTATCGCCA GTGCTCCTA	2520
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CAAGGCCCA ATGAGTCTCC CTCGGCCTTC CTAGAGAGAC TTAAGGAAGC CTATCGCAGG	2640
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TGGCAGTCTG CCCCAGACAT TGGGAGAAAG CTAGAGAGTT AGAAGATTT AAAAAACAAG ACGCTTGGAG ATTTGGTTAG AGAGCCAGAA TAGAGAGGT TAGAAGATTT AAAAAACAAG	2760
ACGCTTGGAG ATTTGGTTAG AGAGGCAGAA AAGATCTTTA ATAAACGAGA AACCCCGGAA GAAAGAGAGG AACGTATCAG GAGAGAAACA GAGAAACAAG	2820
GAAAGAGAG AACGTATCAG GAGAGAAACA GAGGACAAAAG AAGACGCCG TAGGACAGAG GATGAGCAGA AAGAGAAAGA AAGAGAACGCCG TAGGACAGAG	2880
GATGAGCAGA AAGAGAAAGA AAGAGATCGT AGGAGAAAAG AAGAACGCCG TAGGACAGAG GCCACTGTCG TTAGTGGACA GAAACAGGAT AGGAGACATA GAGAGATGAG CAAGCTATTG	2940
GCCACTGTCG TTAGTGGACA GAAACAGGAT AGGAGGACATA GAGAGATGAG CAAGCTATTG CTCGATCGCG ACCAGTGTGC CTACTGCAAA GAAAACAGGAG GAGAACGAAG GAGGTCCCAA	3000
CTCGATCGCG ACCAGTGTGC CTACTGCAAA GAAAAGGGGC ACTGGGCTAA AGATTGTCCC AAGAAACCAC GAGGACCTCG GGGACCAAGA	3060
AAGAAACCAC GAGGACCTCG GGGACCAAGA CACCAGACCT CCCTCCTGAC CCTAGATGAC TAGGGAGGTC AGGGTCAGGA GCCCCCCCT CACCAGACCT CCCTCCTGAC CCTAGATGAC	3120
TAGGAGGTC AGGGTCAGGA GCCCCCCCT GACCCAGGA TAACCCTCAA AGTCGGGGGG	3180
CAACCCGTCA CCTTCCTGGT AGATACTGGG GCCCAACACT CCGTGCTGAC CCAAAATCCT	3240 3300
GGACCCCTAA GTGATAAGTC TGCCTGGGTC CAAGACACT CCGTGCTGAC CCAAAATCCT TGGACCACGG ATCGCAAAGT ACATCTAGCT ACCGGTAACG CTGAGGAAA GCGGTATCGC	3360
TGGACCACGG ATCGCAAAGT ACATCTAGCT ACCGGTAAGG TCACCCACTC TTTCCTCCAT	
GTACCAGACT GTCCCTATCC TCTGTTAGGA AGAGATTTGC TGACTAAACT AAAAGCCCAA	3420
ATCCACTITG AGGGATCAGG AGCTCAGGTT ATGGGACAA TGGGGCAGCC CCTGCAAGTG	3480 3540
TTGACCCTAA ATATAGAAGA TGAGCATCG CTACAGAGA CCTCAAAAGA GCCAGATGTG TCTCTAGGGT CCACATGGCT GTCTGATGTT CCTCAAGGA CCTCAAAAGA GCCAGATGTT	3600
TCTCTAGGGT CCACATGGCT GTCTGATTTT CCTCAGGCT GGGCGGAAAC CCGGGGCATG GGACTGGCAG TTCGCCAAGC TCCTCTGATC ATCACTGCT GGGCGGAAAC CGGGGGCATG	
GGACTGGCAG TTCGCCAAGC TCCTCTGATC ATACCTCTGA AAGCAACCTC TACCCCCGTG	3660 3720
TCCATAAAAC AATACCCCAT GTCACAAGAA GCCAGCTGG AAGCAACCTC TACCCCCGTG AGACTGTTGG ACCAGGGAAT ACTGGTACC TCCACATACAG	
AGACTGTTGG ACCAGGGAT ACTGGTACCC TGCAGTCCC CCTGGAACAC GCCCTGCTA	3780
CCCGTTAAGA AACCAGGGAC TAATGATTAT AGGCTGTCC CCTGGAACAC GCCCCTGCTA AAGCGGGTGG AAGACATCCA CCCCACCGTG CCCAACGTTC AGGATCTGAG AGAAGTCAAC	3840
AAGCGGTGG AAGACATCA CCCACCGTG CCCAACCCTT ACAACCTCTT GAGCGGGCTC	3900
CCACCGTCCC ACCAGTGGTA CACTGTGCTT GATTTAAAGG ATGCCTTTTT CTGCCTGAGA CTCCACCCCA CCAGTCAGCC TCTCTTCGCC TTTGAGTGCA CACATCTTTT CTGCCTGAGA	3960
CTCCACCCA CCAGTCAGCC TCTCTTCGCC TTTGAGTGGA GAGATCCAGA GATGGGAATC	4020 4080
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INICAGGCCI		CACGGACCGG	CTTCACTTC		10000	4920
CCGGCTACGC	TGCTCCCACT	CCCTGAGGAA	GGGCTGCAAC	CACCGGIGGT	AGCCCTGAAC	4980
GCCGAAGCCC	ACGGAACCCG	ACCCGACCTA	ACCCACCACC	ACAACTGCCT	TGATATCCTG	5040
ACCTGGTACA	CGGATGGAAG	CACTOTOTOTA	JUANUA DA ANA	CGCTCCCAGA	CGCCGACCAC	5100
GTGACCACCG	AGACCGAGGT	, pyncacccan	AAAGAGGGAC	AGCGTAAGGC	GGGAGCTGCG	5160
CGGGCTGAAC	AGACCGAGGT	TODOOTOTAA	AAAGCCCTGC	CAGCCGGGAC	ATCCGCTCAG	5220
GTTTATACTC	TGATAGCACT	CACCCAGGCC	CTAAAGATGG	CAGAAGGTAA	GAAGCTAAAT	5280
AGGCGTGGGT	ATAGCCGTTA	TGCTTTTGCT	ACTGCCCATA	TCCATGGAGA	AATATACAGA	5340
CTACTA A A A C	TGCTCACATC	AGAAGGCAAA	GAGATCAAAA	ATAAAGACGA	GATCTTGGCC	5400
ARCCCACACA	CCCTCTTTCT	GCCCAAAAGA	CTTAGCATAA	TCCATTGTCC	AGGACATCAA	5460
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TUTOUTUUM	CAAAGAAGTA	TTICCCCTCTAC	CDDCCDDDD	CUCUC MUCCO	MC1 CC1 cm	5700
UCTITIONAL	IATTAGACTT	TCTTCATCAG	CTGACTCACC	TCACCTTCTC	*******	5760
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CUCCCAUCTA	GGGTCCGCGG	GCATCGGCCC	CCCXCTCXTT	CCCACAMOCA	MMMC3 CCC	5940
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IGIGCATACA	GACCCCAAAG	CTCAGGCCAG	CTACAAACAA	TC33T3C33C	C1 MC1 1 CC1 C	6240
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OCCCIGINCC	GAGCCCGCAA	CACGCCGGGC	CCCCATGGCC	<b>小でなっつってなかな</b>	MC 3 C 3 MOMES	6360
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CONCCITACA	CARCICCICCI	GACCACCCCC	ACCCCCCTCA	<u>እ እርጥእ</u> ሮ አሮሮሮ	CI MOCOL COM	6600
TOGNINCACG	CCCCCACGT	GAAGGCTYCCC	GACCCCCCCC	CTCCACCATIC	OTTOTAL 01 000	6660
TCNI GGCGCG	TIVANCECIC	TCAAAACCCC	ממיד מממממידים	COTTA A COCO	001000000	6720
TAATCCCCTT	AATTCTTCTG	ATGCTCAGAG	CCCTCACTAC	TCCTTCCCCG	CGAGGCCCCCC	6780
COOCCASCC	GGCCACCATG	AAAACATTITA	א ראדיירידירי א	3 C 3 3 C 3 M C M 3	73.3 mms oms o	6840
AAGTAGCGAC	AGAGAAGATT	ACAATCCTTT	ATCACCATA	TANDATUTA	GAATTAGTAG	6900
CAATTCGTAC	GAAAACAGGA	CANATCATOR	CCCC) CDICA	TARACATCAT	GIGGGAGCGG	6960
GAGTAACTGT	TTGTGCAGAA	CCC ATTCALLI	THYCOUN COCC	TATTGAAGCG	TATATAGGAC	7020
ATTTTGACAC	GATTGTAGCT	CCCAI ICCCA	TIGGIAGIGC	AGTITCGAAT	GGACAAAAGG	7080
GAGTGGTAAG	TCCTTGTGGT	PACACANCACC	ACTOR	CGAAGTAGAT	AGAAGTATTC	7140
TIGIGITAAT	AGAAATGAAT	CCCV V COMPC	AGTTGATTTC	AGACTATGCA	CCAGATTGTT	7200
TCAAATATAC	CCGAAATTAA	A A COMMON A CO	ACCARACTAC	GATTGAAGAA	CTCATTCCAC	7260
	CCGAAATTAA	MOTITIACC	ACCAAGCTTA	TCGAATTC		7308



AGATCTCCCG	ATCCCCTATG	GTCGACTCTC	AGTACAATCT	GCTCTGATGC	CGCATAGTTA	. 60
AGCCAGTATC	TGCTCCCTGC	TTGTGTGTTG	GAGGTCGCTG	AGTAGTGCGC	GAGCAAAATT	120
TAAGCTACAA	CAAGGCAAGG	CTTGACCGAC	AATTGCATGA	AGAATCTGCT	TAGGGTTAGG	180
ACTORNATION AT	TGCTTCGCGA AGTAATCAAT	TGTACGGGCC	AGATATACGC	GTTGACATTG	ATTATTGACT	240
CTTACATAAC	TTACGGTAAA	TACGGGGTCA	TTAGTTCATA	GCCCATATAT	GGAGTTCCGC	300
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TGGGTGGACT	ATTTACGGTA	AACTGCCCAC	TTGGCAGTAG	ATCABGTGTA	TIGACGICAA	420
AGTACGCCCC	CTATTGACGT	CAATGACGGT	AAATGGCCCG	CCTGGCATTA	TCCCCACTAC	480
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ATGGTGATGC	GGTTTTGGCA	GTACATCAAT	GGGCGTGGAT	AGCGGTTTGA	CTC A CGGGGG	6 <b>0</b> 0 660
TTTCCAAGTC	TCCACCCCAT	TGACGTCAAT	GGGAGTTTGT	TTTGGCACCA	AAATCAACCC	720
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CGGTGGGAGG	TCTATATAAG	CAGAGCTCTC	TGGCTAACTA	GAGAACCCAC	TGCTTAACTG	840
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CTTTTTCGCT	ATTGTAAAAT	TCATGTTATA	TGGAGGGGC	AAAGTTTTCA	GGGTGTTGTT	960
COUNTRY	AGATGTCCCT	TGTATCACCA	TGGACCCTCA	TGATAATTTT	GTTTCTTTCA	1020
TTCTACIC	TGTTGACAAC TTTAGCTTGC	ATTIGICICE	A A OFFICE A OFFICE A OFFICE A A OFFICE	TTTTCATTT	CTGTAACTTT	1080
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TACTTCAGCA	CAGTTTTAGA	GAACAATTCT	TITICAAGGC	TGATAAGGTA	CAAMAMMOO	1200
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CATCATCCTG	CCTTTCTCTT	TATGGTTACA	ATGATATACA	CTGTTTGAGA	TGAGGATAAA	1320 1380
ATACTCTGAG	TCCAAACCGG	GCCCCTCTGC	TAACCATGTT	CATGCCTTCT	TCTTTTTCCT	1440
ACAGCTCCTG	GGCAACGTGC	TGGTTGTTGT	GCTGTCTCAT	CATTTTGGCA	AGAATTGGCC	1500
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CACCICATCA	CCCAGGTTAA	GATCAAGGTC	TTTTCACCTG	GCCCGCATGG	ACACCCAGAC	1800
CAGGICCCCI	ACATCGTGAC ACCCTAAGCC	TCCCCCTCCT	CONCORCEAN	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CTGGGTCAAG	1860
GAACCTCCTC	GTTCGACCCC	CCTCCATCC	TCCCTCCAT	CAGCCCCTCAC	TCTCCCCCTT	1920
GGCGCCAAAC	CTAAACCTCA	AGTTCTTTCT	GACAGTGGGG	GGCCGCTCAT	CCACCTACTT	1980 2040
	CCCCCCCTTA					2100
GGTGGAGAAG	CGACCCCTGC	GGGAGAGGCA	CCGGACCCCT	CCCCAATGGC	ATCTCGCCTA	2160
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	CCCATCAGCC					2400
	AAAAACAACG					2460
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GCGGGTCTCC	AAAACGCGGG	CAGAAGCCCCC	ACCAATTICG	CCAACCTAAA	ACCARTANCA	2580 2640
	ATGAGTCTCC					2700
TACACTCCTT	ATGACCCTGA	GGACCCAGGG	CAAGAAACTA	ATGTGTCTAT	GTCTTTCATT	2760
TGGCAGTCTG	CCCCAGACAT	TGGGAGAAAG	TTAGAGAGGT	TAGAAGATTT	AAAAAACAAG	2820
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GAAAGAGAGG	AACGTATCAG	GAGAGAAACA	GAGGAAAAAG	AAGAACGCCG	TAGGACAGAG	2940
GATGAGCAGA	AAGAGAAAGA	AAGAGATCGT	AGGAGACATA	GAGAGATGAG	CAAGCTATTG	3000
GCCACTGTCG	TTAGTGGACA	GAAACAGGAT	AGACAGGGAG	GAGAACGAAG	GAGGTCCCAA	3060
AACAAACCAC	ACCAGTGTGC GAGGACCTCG	CTACTGCAAA	GAAAAGGGGC	ACTGGGCTAA	AGATTGTCCC	3120
TAGGGAGGTC	AGGGTCAGGA	GCCCCCCCCT	CCCCAGACCI	TAACCCTCAA	ACTOCCOCCO	3180 3240
CAACCCGTCA	CCTTCCTGGT	AGATACTGGG	GCCCAACACT	CCGTGCTGAC	CCAAAATCCT	3300
	GTGATAAGTC					3360
	ATCGCAAAGT					3420
GTACCAGACT	GTCCCTATCC	TCTGTTAGGA	AGAGATTTGC	TGACTAAACT	AAAAGCCCAA	3480
	AGGGATCAGG					3540
	ATATAGAAGA					3600
	CCACATGGCT					3660
GGACTGGCAG	TTCGCCAAGC AATACCCCAT	CTCACAACA	ATACCTCTGA	AAGCAACCTC	TACCCCCGTG	3720
AGACTGTTGG	ACCAGGGAAT	ACTGGTACCC	TCCCACTCCC	CCTGGAACAC	GCCCCCCCC	3780 3840
CCCGTTAAGA	AACCAGGGAC	TAATGATTAT	AGGCCTGTCC	AGGATCTGAG	AGAAGTCAAC	3900
AAGCGGGTGG	AAGACATCCA	CCCCACCGTG	CCCAACCCTT	ACAACCTCTT	GAGCGGGCTC	3960
CCACCGTCCC	ACCAGTGGTA	CACTGTGCTT	GATTTAAAGG	ATGCCTTTTT	CTGCCTGAGA	4020
CTCCACCCCA	CCAGTCAGCC	TCTCTTCGCC	TTTGAGTGGA	GAGATCCAGA	GATGGGAATC	4080
				•	_	

Figure 8b. hCMV+intronkaSD Sequence

TCAGGACAA	T TGACCTGGA	C CAGACTCCC	A CAGGGTTTC	A AAAACAGTC	C CACCCTGTTT	4140
GAIGAGGCA	C TGCACAGAG	A CCTAGCAGAG	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	C ACCACCCAC	) CTOC I DOCUMA	4140 4200
CINCAGING	G TGGATGACT	I' ACTGCTGGC	飞്രൂസസസസ	2 ECCTECEC	C CC33C33CC	-
WC I COOGCC	- IGITACAAA	CCTAGGGAA	ייים גייים בייבורים ביי	~ CCCCCTTCCC		4260
CHARLIIGG	C AGMANCAGG	I CAAGTATCTY	፣ ርርርጥልጥርጥጥ	~ ~~~~~~~~~	C TCICICION	4320
CIGNCIGNO	J CCAGAAAAG	A GACTETEATY	: GGGCAGCCT	N CTCCCNNCN		4380
CIANGGGAG.	I ICCTAGGGA	C GGCAGGCTTC	, ഫലോടാസാന	P GG3TCCCTC/	COMMON	4440
A I GGCAGCC	- CCTIGIACC	. TCTCACCAA:	A CCCCCACTC	אישרות מיתיתיתים עדי		4500
CAACAAAAG	- CCIAICAAGA	A AATCAAGCAZ	\	CTCCCCCAC	COMCOCOMÁS	4560
CCAGATITGA	T CTAAGCCCCT"	L TCAACTCTT1	י התרהארהאהו	A GC A GC CCT		4620
GTCCTAACG	AAAAACTGGC	ACCTTGGCGT	CGGCCGGTGC	CCTACCTCT	CAAAAAGGTA	4680
GACCCAGTAC	CAGCTGGGTC	GCCCCCTTCC	CTACCCATCC	TACCACCAC	CAAAAAGCTA	4740
ACAAAGGATO	CAGGCAAGCT	AACCATGGG	CACCCACTAC	TAGCAGCCA	TGCCGTACTG	4800
GTAGAGGCAG	TAGTCAAACA	ACCCCCCAC	CAGCCACIAC	CONNECTOR	CCCCCATGCA	4860
TATCAGGCCT	TGCTTTTGG	CACGGACCCC	COCIOCIII	CLAACGCCCC	GATGACTCAC	4920
CCGGCTACGC	TGCTCCCACT	CACGGACCGG	CCCCCCCAGITCG	GACCGGTGGT	' AGCCCTGAAC	4980
GCCGAAGCCC	ACGGAACCC	ACCCCACCES	ACCOLOGAAC	ACAACTGCCT	TGATATCCTG	5040
ACCTGGTACA	CGGATGGAAG	CACTCGACCIA	CARCOGACCAGC	CGCTCCCAGA	CGCCGACCAC	5100
GTGACCACCG	CGGATGGAAG	AAGOOGGOOG	CAAGAGGGAC	AGCGTAAGGC	GGGAGCTGCG	5160
CGGCCTGAAC	AGACCGAGGT	AAICIGGCI	AAAGCCCTGC	CAGCCGGGAC	ATCCGCTCAG	5220
CTTTATACTC	TGATAGCACT	CACCCAGGCC	CTAAAGATGG	CAGAAGGTAA	GAAGCTAAAT	5280
AGGCGTGGGT	ATAGCCGTTA	TGCTTTTGCT	ACTGCCCATA	TCCATGGAGA	AATATACAGA	5340
CTACTAAAAAC	TGCTCACATC	AGAAGGCAAA	GAGATCAAAA	ATAAAGACGA	GATCTTGGCC	5400
AACCCACACA	CCCTCTTTCT	GCCCAAAAGA	CTTAGCATAA	TCCATTGTCC	AGGACATCAA	5460
ANGOOM CACA	COCOCOGAGGC	TAGAGGCAAC	CCCNTCCCTC	_ <u> </u>	CCCAAAGGG	5520
CCATCACAG	AGACTCCAGA	CACCTCTACC	CTCCTCATAG	AAAATTCATC	ACCCTACACC	5580
ICAGAACAII	TTCATTACAC	AGTGACTGAT	ልጥልልልርርል <b>ር</b> ር	ጥል አርርር እ አርጥጥ	CCCCCCCC	5640
INIGNINAWA	CAAAGAAGTA	TTGGGTCTAC	CAAGGAAAAC	CTCTCATCA	TO BOOK COOK	5700
ACTITIONAL	TATTAGACTT	TCTTCATCAG	CTGACTCACC	THE BECHANGE	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5760
GCTCTCCTAG	AGAGAAGCCA	CAGTCCCTAC	ጥልሮልጥርርጥርል	ACCGGGATCG	7.7.C.7.C.7.2.3.3.4	5820
WAINICHCIG	AGACCTGCAA	AGCTTGTGCA	CAAGTCAACG	CCAGCAAGTC	TO COOMINA A A	5880
CAGGGAACTA	GGGTCCGCGG	GCATCGGCCC	CCCACTCATT	CCCACATCCA	TTTTCACCCAC	5940
ATAMAGCCCG	GATIGTATGG	CTATAAATAT	CALCAL VALUE	TTATACATAC	COOPERATE	6000
TOGNINGANG	CCLICCCAAC	CAAGAAAGAA	ACCGCCAAGG	TOCTALOCAL	CARCOURCOR	6060
GUGGUGUICI.	TCCCCAGGTT	CGGCATGCCT	CACCTATTCC	CARCTCACAA	TCCCCCCCCCC	6120
TICGICICCA	AGGTGAGTCA	GACAGTGGCC	CATCTCTTCC	CCATTCATTC	CARAMMAGAM	6180
IGIGCATACA	GACCCCAAAG	CTCAGGCCAG	CTACAAACAA	TCAATACAAC	CAMCAACCAC	6240
ACTITAACTA	AATTAACGCT	TGCAACTGGC	ጥርጥልርልርልርጥ	CCCTCCTCCT	X COCCOOMS	6300
GCCCIGIMCC	GAGCCCGCAA	CACGCCGGGC	CCCCATGGCC	<b>でなってっていませる</b>	TO A C A TO COMMA	6360
TWIGGGGGWC	CCCCCCT	TGTAAACTTC	CCTCACCCTC	ACATCACA AC	A COROLL CORT & A CO.	
MOCCCCTCTCTC	TCCAAGCTCA	CTTACAGGCT		TOCACOACCA	A CONCORCO A CA	6420
CCICIGGGG	CAGCCTACCA	AGAACAACTG	GACCGACCGG	<b>中にこのりへいかい</b>	CCCMMN CCC	6480
GICGGCGACA	CAGTGTGGGT	CCGCCGACAC	CACACTAACA	ACCURACARCO	MCCCMCC333	6540
GOYCCI TYCY	CAGICCIGCT	GACCACCCC	ACCCCCCTCA	AACTACACCC	CAMOCOAGO	6600
TOGNINCHCG	CCGCCCACGT	GAAGGCTCCC	CACCCCCCCC	CTCCACCAMC	OMOMA CA OMO	6660
WCW1 GGCGCG	TTCAACGCTC	TCAAAACCCC	ለመመልልልል መመ	COTTO ACCOC	CCXCCCCCCC	6720
THATCCCCTT	MATICITUTE	ATGCTCAGAG	CCCTCACTAC	ACCUMACCCC	CCCMCCLACAC	6780
CGGCCCAGCC	GGCCACCATG	AAAACATTTA	ACATOMOTICA ACATOMOTICA	ACA ACAMONA	CARAGRA	6840
AAGTAGCGAC	AGAGAAGATT	ACAATGCTTT	ATCACCATAA	WCWWGWICIW	CTCCCACCCC	6900
CHATICGIAC	GAAAACAGGA	GAAATCATT	CCCCACTACA	TATIONALCOC	MAMAMA COLO	6960
GAGTAACTGT	TTGTGCAGAA	GCCATTGCGA	COCCUGIACK	TATTOMAGCO.	CCACALAGGAC	7020
ATTTTGACAC	GATTGTAGCT	GTTAGACACC	TIGGINGIGC	AGTTTCGAAT	GGACAAAAGG	7080
GAGTGGTAAG	TCCTTGTGGT	ATGTGTAGGC	CITATICICA	ACACHARCAT	AGAAGTATTC	7140
TTGTGTTAAT	AGAAATGAAT	GGCAAGTTAG	TOT TOWITIE	CAMMONACA	CCAGATTGTT	7200
TCAAATATAC	CCGAAATTAA	AAGTTTTTAG	TOWNWOLKE	OWILIAWAY	CTCATTCCAC	7260
			ALL JOHANS	I COAMTIC		7308



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CATATGCGGT GTGAAATAC	C GCACAGATG	C GTAAGGAGA	A AATACCGCA	T CAGGCGCCAT	. 60
rescentien escribes	A CIGITGGGA	A GGGCGATCG	: TGCGGGCCC	איזייתי איזיים בייים בייים	
CGCCAGCTGG CGAAAGGGG	G ATGTGCTGC	A AGGCGATTA	A GTTGGGTAA	CCC ACCC TOTOL	
ICCCAGICAC GACGITGTA	A AACGACGGC	C AGTGAATTC	ר כאיייאכייירי:	A A CONTROVER A A	
CTAGAATACG AGCCACAAT	A ASTABARACA	D DOUGLOWS	n mmccaccacca	H GCTAAAACCA	300
GAAAGACCCC ACCAAATTC	C MENTACCOMON	I IIIATTIAG	I TICCAGAAA	A AGGGGGGAAT	360
GAAAGACCC ACCAAATTG	C IIAGCCIGA	r AGCCGCAGTA	A ACGCCATTT	I GCAAGGCATG	420
GAAAAATACC AAACCAAGA	A TAGAGAAGT	r cagatcaago	GCGGGTACA	GAAAACAGCT	480
AACGTTGGGC CAAACAGGA	T ATCTGCGGT	G AGCAGTTTCC	GCCCCGGCC	GGGGCCAAGA	
ACAGAIGGIC ACCGCGGTT	C GGCCCCGGC	י רכככככררא אר	: <u>27</u> C2C2TCC3	CCCCACAMAM	1.77
GGCCCAACCC TCAGCAGTT	T CTTAAGACCC	T ATCAGATGTT	` ጥርር <u>እር</u> ርርጥርር		660
TGAAATGACC CTGTGCCTT	A TTTGAATTA	L CCAATCAGCC	` <b>TCCTTCTCC</b>	mmcmcmmacc	
GCGCTTCTGC TTCCCGAGC	T CTATAAAAC	\ CCTC	, CCTC & CTCC		720
CICCGATAGA CTGAGTCGC	C CGGGTACCC	። ጥርጥልጥር ርአልጥ	` ልልልጥ// ርጥ/ ተ	COMOMMOON	780
CCGACICGIG GICTCGCTG	1 TCCTTGGGAC	$:$ CCTCTCCTC $\Delta$	. CACTCATTC >	CM3 CCCCCCCC	111
CGGGGTCTT TCATTTGGG	GCTCGTCCG	GATCTGGAGA	CCCCTCCCC	CIACCEGICT	
ACCCACCACC GGGAGGTAA	G CTGGCCAAGA			GGGACCACCG	
ACTTCCCTGA CCCTGACAT	2 ACCAGACATOR	CONNENCACCO	CECACCCCC	CCCCTTGTAA	1020
AGGCTCTCTA CTTAGTCCA	CACCAGAGIIA	CIAACAGCCC	CICICICCAA	GCTCACTTAC	1080
AGGCTCTCTA CTTAGTCCA	CACGAAGTTT	GGAGACCACT	GGCGGCAGCT	'TACCAAGAAC	1140
AACTGGACCG GCCGGTGGTG	CUTCACCUTI	ACCGGGTCGG	CGACACAGTG	TGGGTCCGCC	1200
GACATCAAAC CAAGAACCT	A GAACCTCGCT	' GGAAAGGACC	TTACACAGTC	CTGCTGACCA	1260
CCCCCACCGC CCTCAAAGT	A GACGGTATCG	: САССТИССАТ	ACACGCAGCC	CACCOMANAGO	
COUCCONCAC CGAGAGAGAGA	A CCATCCTCTG	CACCCACATC	CCCCCTTTC N N	CCCMOMONAN	
ACCUCUTURA GATARGATT	A ACCCGTGGAA	. GCCCTTAATA	GTC ATGGGAG	TCCTCTTT A	
AGIAGGGAIG GCAGAGAGCC	CCCATCAGGT	ላ ሲተራተል የሔተርታ ነ	ACCTGGAGAG	TCACCA A COM	
GAIGACIGGG CGTACCGCC	ATGCCACCTC		<b>ልሮፕሮፕልሮልል</b>	N TO COMMON	
AAAATTATAT TTTGATCTA	' GTGATCTGGT	CGGAGAGGAG	ጥርርር እርርርጥጥ	CACACCACCA	
ACCGTATGTC GGGTATGGCC	GCAAGTACCC	CGCAGGGAGA	CAGCGGACCC	CAGACCAGGA	1620
CTTTTACGTG TGCCCTGGGC	ATACCCTAAA	CTCCCCCTCT	CCCCACCAC	GGACTTTTGA	
CTGTGGTAAA TGGGGGTGTC	AAACCACCC	3CACCCOMAC	TCCA ACCCCA	GAGAGGGCTA	
GGACCTAATC TCCCTTAACC	CCCCTARCAG	CCCCCCCCCC	TGGAAGCCCA	CATCATCGTG	1800
GGACCTAATC TCCCTTAAGC	GCGGTAACAC	CCCCTGGGAC	ACGGGATGCT	CTAAAGTTGC	1860
CTGTGGCCC TGCTACGACC	TCTCCAAAGT	ATCCAATTCC	TTCCAAGGGG	CTACTCGAGG	1920
GGGCAGATGC AACCCTCTAG	TCCTAGAATT	CACTGATGCA	GGAAAAAAGG	CTAACTGGGA	1980
CGGGCCCAAA TCGTGGGGAC	TGAGACTGTA	CCGGACAGGA	ACAGATCCTA	TTACCATGTT	0040
CICCIGACC CGGCAGGTCC	TTAATGTGGG	ACCCCGAGTC	CCCATAGGGG	CCNACCCACE	0100
ATTACCCGAC CAAAGACTCC	CTTCCTCACC	AATAGAGATT	CTACCCCCTC	CACACCCACC	2160
INGCCCCCTC AATACCAGTT	ACCCCCCTTC	CACTACCAGT	ACACCCTC N N	CCMCCCCCC	0000
MAGICCAAGT GTCCCACAGC	CACCCCCAGG	<b>ልልሮፕሮርል</b> ርልጥ	ACACTACTAC	CTCTTA CTCTA A	2000
AGGAGCCIAT CAGGCGCTTA	ACCTCACCAA	ጥሮሮሮርልሮልልር	ACCCAACAAT	COOCCOOCO	0340
CITAGIGICE GGACCTCCTT	ATTACGAAGG	ACTACCCCTC	CTCCC & COOP	A TO B COOK B TOOK	2340
TICCACCGCT CCGGCCAACT	GTACGGCCAC	ТТССВВСВТ	<b>ል ልርርጥጥ</b> ክርርር	TIR TO COMO A A COM	0460
GACAGGACAG GGCCTATGCA	TECECCAACT	<b>እ</b> ርርጥእ እ አ አ ርጥ	CACCACCCC	M3 MCM3 3 M3 A	2460
CACCCAAAGC GCCGGCTCAG TTGCAGCACT GGATTGACTC	GATCCTACTA	COTTOCACCA	CCCCCCCCC	TATGTAACAC	2520
TTGCAGCACT GGATTGACTC	CCACCAMOAC	CACCACCO	CCCGCCGGAA	CAATGTGGGC	2580
TTGTGTATTA GTTGAACTCT	CCCCCACAC	CACCACGGIG	CTCAATCTAA	CCACAGATTA	2640
TCAGCTTGAA CAGCCTACCA	A A COROLLA DA CA	AATTTACCAC	TCCCCCGATT	ATATGTATGG	2700
TCAGCTTGAA CAGCGTACCA	AATATAAAAG	AGAGCCAGTA	TCATTGACCC	TGGCCCTTCT	2760
ACTAGGAGGA TTAACCATGG	GAGGGATTGC	AGCTGGAATA	GGGACGGGGA	CCACTGCCTT	2820
AATTAAAACC CAGCAGTTTG	AGCAGCTTCA	TGCCGCTATC	CAGACAGACC	TCAACGAAGT	2880
CGAAAAGTCA ATTACCAACC	TAGAAAAGTC	ACTGACCTCG	TIGTCTGAAG	TAGTCCTACA	2940
GAACCGCAGA GGCCTAGATT	T.C.C.I.Y.L.I.C.C.I.	AAACCACCA	CCTYPTYPTCCC	CACCCCCCAAAA	3000
AGAAGAATGI TGTTTTATG	CAGACCACAC	CCCCCTACTC	AGAGACACCA	TOCOCO A A B TOCO	3060
MIGNORAGO CITARICAGA	GACAAAAACT	ATTITICACACA	CCCC B A CC A TO		3 4 3 6
GCIGITIAAT AGATCCCCCT	GGTTTACCAC	CTTAATCTCC	<b>ልሮሮልጥሮልጥ</b> ርር	CACCOCOAAA	2100
MOTACICITY CIGATCLIAC	TCTTTGGACC	ጥፕርርልጥፕርጥር	AATCCATTAC	ጥጥሮ እ አ መመመረጠ	3240
IMMAGACAGG ATCTCAGTAG	TCCAGGCTTT	AGTCCTGACT	CAACAATACC	ACCACCTA A A	3300
GCCIATAGAG TACGAGCCAT	AGGGCGCCTA	CTCTTCACAA	ጥጥል ልጥር ልጥርር	CCAMACMAMA	3360
CGGCATAGTA TAATACGACT	CACTATAGGA	GGGCCACCAT	GGCCA AGTTG	ACCACTCCCC	3420
TICCGGIGCT CACCGCGCGCGC	GACGTCGCCG	GAGCGGTCGA	でふんしんごうしん	CACCCCCCCCC	
GGTTCTCCCG GGACTTCGTG	GAGGACGACT	TCGCCGGTGT	GGTCCGGGAC	CACCTCACCC	3480
TGTTCATCAG CGCGGTCCAG	GACCAGGTGG	TGCCGGACAA	CACCCTGCCC	AUCO LONCOC	3540
TGCGCGGCCT GGACGAGCTG	TACGCCGAGT	CCTCCCACCT	CCTCTCCACC	A A COMPOCOCO	3600
ACGCCTCCGG GCCGGCCATG	ACCGAGATCC	CCCVCCVCCC	CALCICCACG	MACTICCGGG	3660
TGCGCGACC GGCCGGCAAC	TCCGTGTTCG	TOCTOCCOCC	G176666666	GAGTTCGCCC	3720
ACCGGTCGAC TTCTTAACTT	TOCGIOCACI.	CCMM M T T TC	COMPCACIAC	TGANNNNCGG	3780
ACCGGTCGAC TTGTTAACTT	GITIMITICA	GCTTATAATG	GTTACAAATA	AAGCAATAGC	
ATCACAAATT TCACAAATAA	AGCATTTTTT	TCACTGCATT	CTAGTTGTGG	TTTGTCCAAA	3900
CTCATCAATG TATCTTATCA	CCCACCARA	CAGATCTGGG	CCCATGCGGC	CGCGGATCGA	3960
THINK THE TORGERANAGE	GCCAGCAAAA	CCCCACCAAC (	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CCCCCC	4020
GGCGTTTTTC CATAGGCTCC	GCCCCCTGA	CGAGCATCAC .	AAAAATCGAC	GCTCAAGTCA	4080

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# Figure 9b. FBdelPASAF Sequence

C10000000						
GAGGTGGCG:	AACCCGACAC	GACTATAAAC	ATACCAGGCC	TTTCCCCCTC	GAAGCTCCCT	4140
CGTGCGCTCT	CCTGTTCCG	CCCTGCCGC1	TACCGGATAC	CTGTCCGCCT		4200
GGGAAGCGTC		AATGCTCACC	CTGTAGGTAT	CTCAGTTCG		4260
TCGCTCCAAC				CCCGACCGCT		4320
CGGTAACTAI		CCAACCCGGT	AAGACACGAC	TTATCGCCAC		
CACTGGTAAC	AGGATTAGCA	GAGCGAGGTA	TGTAGGCGGT			4380
GTGGCCTAAC		CTAGAAGGAC	AGTATTTGGT			4440
AGTTACCTTC		TTGGTAGCTC		AAACAAACCA		4500
CGGTGGTTTT	' TTTGTTTGCA	AGCAGCAGAT	TACGCGCAGA	AAAAAAGGAT		4560
TCCTTTGATC		GGTCTGACGC		GAAAACTCAC		4620
TTTGGTCATG		AAAGGATCTT	CACCTAGATO		O T TI MICOCOTI	4680
TTTTAAATCA	ATCTAAAGTA	TATATGAGTA	AACTTGGTCT			4740
CAGTGAGGCA	CCTATCTCAG	CGATCTGTCT	ATTTCGTTCA		CCTGACTCCC	4800
CGTCGTGTAG	ATAACTACGA	TACGGGAGGG	CTTACCATCT	GGCCCCAGTG	CTGCAATGAT	4860
ACCGCGAGAC	CCACGCTCAC	CGGCTCCAGA	TTTATCAGCA	ATAAACCAGC	CAGCCGGAAG	4920
GGCCGAGCGC		CTGCAACTTT		ATCCAGTCTA		4980
CCGGGAAGCT		GTTCGCCAGT		CGCAACGTTG		5040
TACAGGCATC		GCTCGTCGTT	TGGTATGGCT			5100
ACGATCAAGG		GATCCCCCAT	GTTGTGCAAA	AAAGCGGTTA		5160
TCCTCCGATC			CGCAGTGTTA	TCACTCATGG	TTATGGCAGC	5220
ACTGCATAAT	TCTCTTACTG	TCATGCCATC	CGTAAGATGC	TTTTCTGTGA		5280
CTCAACCAAG	TCATTCTGAG	AATAGTGTAT	GCGGCGACCG	AGTTGCTCTT	GCCCGGCGTC	5340
AATACGGGAT	AATACCGCGC	CACATAGCAG	AACTTTAAAA	GTGCTCATCA		5400
	CGAAAACTCT	CAAGGATCTT		AGATCCAGTT		5460
	CCCAACTGAT	CTTCAGCATC	TTTTACTTTC	ACCAGCGTTT		5520
AAAAACAGGA	AGGCAAAATG	CCGCAAAAAA	GGGAATAAGG	GCGACACGGA		5580
ACTCATACTC	TTCCTTTTTC	AATATTATTG	AAGCATTTAT	CAGGGTTATT	GTCTCATGAG	5640
CGGATACATA	TTTGAATGTA	TTTAGAAAAA	TAAACAAATA			5700 - 5760
	CCACCTGACG	TCTAAGAAAC		ATGACATTAA	CCTATATATA	
	ACGAGGCCCT			GATGACGGTG	AAAACCTCTC	5820
ACACATGCAG	CTCCCGGAGA		TTGTCTGTAA	GCGGATGCCG	GGAGCAGACA	5880
AGCCCGTCAG	GGCGCGTCAG	CGGGTGTTGG	CGGGTGTCGG	GGCTGGCTTA	ACTATECEC	5940
ATCAGAGCAG	ATTGTACTGA	GAGTGCAC				6000
						6028



# Figure 10a. FBdelPMOSAF Sequence

CATATGCGGT GTGAAATACC GCACAGATGC CTAAGGCAGAA	
CATATGCGGT GTGAAATACC GCACAGATGC GTAAGGAGAA AATACCGCAT CAGGCGCCAT	60
TCGCCATTCA GGCTGCGCAA CTGTTGGGAA GGGCGATCGG TGCGGGCCTC TTCGCTATTA	120
	-
TCCCAGTCAC GACGTTGTAA AACGACGGC AGGGATTAA GTTGGGTAAC GCCAGGGTTT GACAGGATCT CAGTAGTCCA GCCTTTAGTC AGTGAATTCC GATTAGTTCA ATTTGTTAAA	180
GACAGGATCT CAGTAGTCCA GGCTTTAGTC CTGACTCAAC AATACCACCA GCTAAAACCA	240
	300
GAAAGACCCC ACCAAATTGC TTAGCCTGAT AGCCGAGTA ACGCCATTTT GCAAGGCATG	360
	-
	420 .
	480
ACAGATGGTC ACCGCGGTTC GGCCCCGGCC CGGGCCAAGA GGCCCAACCC TCAGCAGTTT CTTAACACCC TGGCCCCAAGA TGCCCCAAGATGT CCCCAGATAT	540
GGCCCAACCC TCAGCAGTTT CTTAAGACCC ATCAGATGTT TCCAGGCTCC CCCAAGGACC	600
TOUR CONTROL CITARGACCC ATCAGATGTT TCCAGGCTCC CCCAAGGACC	
TGAAATGACC CTGTGCCTTA TTTGAATTAA CCAATCAGC TGCTTCTCGC TTCTGTTCGC	660
GCGCTTCTGC TTCCCGAGCT CTATAAAAAA GCTCACAACC CCTCACTCGG CGCGCCAGTC	720
	780
CTCCGATAGA CTGAGTCGCC CGGGTACCCG TGTATCCAAT AAATCCTCTT GCTGTTGCAT CCGACTCGTG GTCTCGCTGT TCCTTGGGAG GGTCTCCTCA GAGTGATTGA CTACCCGTCT CGGGGGTCTT TCATTTGGG GCTCTCTCAGGGGGTCTT TCATTTGGG GCTCTCTCAGGGGGTCTT TCATTTGGG GCTCTCTCAGG	840
CCCCCTCTT TCATTTCCCCCTCT TCCTTCGGAG GGTCTCCTCA GAGTGATTGA CTACCCGTCT	900
	960
	1020
AGGCTCTCTA CTTAGTCCAG CACGAAGTCT GGAGACCTCT GGCGCAGCC TACCAAGAAC	1080
AACTEGACCE ACCOMMENTED GRAGACUTCT GGCGCAGCC TACCAAGAAC	1140
	-
GACACCAGAC TAAGAACCTA GAACCTCGCT GGAAAGACC TTACACAGTC CTGCTGACCA	1200
CCCCCACCGC CCTCAAAGTA GACGGCATCG CAGCTTGGAT ACACGCCGCC CACGTGAAGG	1260
CTGCCGACCC CGGGGGTGGA CCATCCTCTA CACGCGACC CACGTGAAGG	1320
CTGCCGACCC CGGGGGTGGA CCATCCTCTA GACTGGAT ACACGCCGCC CACGTGAAGG ACCCCTTAAA AATAAGGTTA ACCCGCGAGG CCCCCTAATC CCCTTAATC TTCTGATGCT CAGAGGGGTC AGTACTGCTT CCCCCCCCTC	1380
CACACCCOME ANTAGGITA ACCCGCGAGG CCCCCTAATC CCCTTAATTC TTCTGATCCT	
	1440
	1500
	1560
TTGGGGGCTA GARTATCAAT CCCCTTTA	1620
	1680
	1740
	1800
CTCCTTCTAC TGTGCCTATT GGGGCTCTGA GAGAGGGC AAGTCATGTG GGGGTCCAGA	1860
CTCCTTCTAC TGTGCCTATT GGGGCTGTGA GACAACCGGT AGAGCTTACT GGAAGCCCTC	1920
TITLE TO CALLLAILA LAGUAGGIA CANTOTORO COMO CALLE	1980
THE CONTRACT CONTRACT CAN ARCTITION ACTION APPROACH AS A CONTRACT OF THE CONTR	
	2040
	2100
AGGGCCAAAC CCCGTTCTGC CACACGAACA CCACACAT CTAGGACCCC GCGTCCCAAT	2160
AGGGCCAAAC CCCGTTCTGG CAGACCAACA GCCACTCTCC AAGCCCAAAC CTGTTAAGTC	2220
TOTAL TO ALCOHOLOGICAL CLASSICAL STATE OF THE STATE OF TH	2280
THE POLICE PRODUCE WAR AND	2340
	2400
GGCCTCCCAA CACAAGTTGA CCCTGTCCGA AGTGACCGGA CAGGGACTCT GCATAGGAGC	2460
AGTTCCAAA ACAGTGACCA AGTGACCGGA CAGGGACTCT GCATAGGAGC	2520
	2580
THE TAXABLE COUNTY OF A COUNTY	
TO THE PROPERTY OF THE PROPERT	2640
AGTCACCTAT CATTCCCCCA GCTATGTTTA CGGCCTGTTT GAGAGATCCA ACCGACACAA	<b>270</b> 0
AAGAGAACCA GTGTCGTTAA CCCTGCCCTGTTT GAGAGATCCA ACCGACACAA	2760
AAGAGAACCG GTGTCGTTAA CCCTGGCCCT ATTATTGGGT GGACTAACCA TGGGGGGAAT	2820
	2880
THE PROPERTY OF THE PROPERTY O	
	2940
TCTAAAGAA GGAGGGCTGT GTGCTGCTCT ACAGAATCGA AGGGGCCTAG ACTTGTTATT CACAGGACTA GTGAGAGACA GCATGGCCAA AMAGAAGAA TGTTGCTTCT ATGCGGACCA	3000
CACAGGACTA GTGAGAGACA CGATTGGGGACCA	3060
	3120
	3180
THE PARTY AND	3240
TTTAGTCCTG ACTCAACAAT ACCACCAGCT AAAGCCTATA GAGTACGAGC CATAGGGCGC	3300
CTAGTGTTGA CAATTAATCA TOCGCATACT AMAGCCIATA GAGTACGAGC CATAGGGCGC	3360
THE COLOR CONTRACTOR IN THE COLOR PROCESS AND	3420
THE PARTY CANDELLARGE THE ACCRETIC COMPACTOR CONTRACTOR	3480
TOTAL CONCLUSION ACTION TO THE TOTAL PROPERTY OF THE PROPERTY	3540
*****CGCCGG IGIGGICCIGG GACTIACTIYIA CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
	3600
AGTGGTCGGA GGTCGTGTCC ACGAACTTCC GGGACGCCTC CGGGCCGGCC ATGACCGAGA	3660
TOGGGAGA GOCGTCCCC ACCARCITIC GGGACGCCTC CGGGCCGGCC ATGACCGAGA	3720
	3780
	3840
	3900
	3960
AAAGGCCAGG AACCGTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC	4020
AGGCCGCTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC	4080

Figure 10b. FBdelPMOSAF Sequence



Figure 11a. FBdelPGASAF Sequence

CATATGCGG	T GTGAAATAC	GCACAGATGO	GTAAGGAGA!	AATACCGCAT	CAGGCGCCAT	60
TCGCCATTC	A GGCTGCGCA	A CTGTTGGGAZ	A GGGCGATCGC	FIGCGGGCCTC	TTCGCTATTA	120
TCCCAGCIGC	COAAAGGGG	ATGTGCTGC!	AGGCGATTA	GTTGGGTAAC	GCCAGGGTTT	180
GACAGGATCT	GACGTTGTAA CAGTAGTCCA	A AACGACGGCC	AGTGAATTCC	GATTAGTTCA	ATTTGTTAAA	240
CTAGAATACC	AGCCACAATA	A GGCTTTAGTC	. CIGACICAAC	AATACCACCA	GCTAAAACCA	300
GAAAGACCCC	ACCAAATTGO	י המוהההממונה יימניאראוניה יי	· ACCCCCACTA	ACCCCATTTT	AGGGGGGAAT	360
GAAAAATACC	AAACCAAGAA	TAGAGAAGTT	CAGATCAAGG	GCGGGTACAC	GCAAGGCATG	420
AACGTTGGGC	CAAACAGGA1	ATCTGCGGTG	AGCAGTTTCG	GCCCCGGCCC	GGGGCCAAGA	480
ACAGATGGTC	ACCGCGGTTC	GGCCCCGGCC	CGGGGCCAAG	AACAGATGGT	CCCCAGATAT	540 600
GGCCCAACCC	TCAGCAGTT1	CTTAAGACCC	ATCAGATGTT	TCCAGGCTCC	CCCAAGGACC	660
TGAAATGACC	CTGTGCCTTA	TTTGAATTAA	CCAATCAGCC	TGCTTCTCGC	TTCTGTTCGC	720
GCGCTTCTGC	TTCCCGAGCT	CTATAAAAGA	GCTCACAACC	CCTCACTCGG	CGCGCCAGTC	780
CCGACTCGTG	CTGAGTCGCC GTCTCGCTGT	TOGGGTACCCG	TGTATCCAAT	AAATCCTCTT	GCTGTTGCAT	840
CGGGGGTCTT	TCATTTGGGG	DADDOTTOOT CCTCCTCCCC	GATCTCCICA	CCCCTCCCA	CTACCCGTCT	900
ACCCACCACC	GGGAGGTAAG	CTGGCCAAGA	TCCCTAAGGT	ACTCGGGGCA	GACA ATTCCCC	960
CGGCCTTTGT	' TGCTCAGGTA	AGTCAGGGAC	TGGCCACTCA	ACTGGGGATA	AATTGGAAGT	1020
TACATTGTGC	GTATAGACCC	CAGAGCTCAG	GTCAGGTAGA	AAGAATGAAC	AGAACAATTA	1080 1140
AAGAGACCTT	'GACCAAATTA	GCCTTAGAGA	CCGGTGGAAA	AGACTGGGTG	ACCCTCCTTC	1200
CCTTAGCGCT	GCTTAGGGCC	AGGAATACCC	CTGGCCGGTT	TGGTTTAACT	CCTTATGAAA	1260
CATTUTUTATEG	AGGACCACCC	CCCATACTTG	AGTCTGGAGA	AACTTTGGGT	CCCGATGATA	1320
GGGACCAGAT	TGTCTTATTT CAAAGAGGTG	TACTCACTTAA	AGGCTTTAGA	AATTGTAAGG	ACCCAAATCT	1380
TCGGGGATCA	AGTGCTTGTC	1A1AAGCC1G	GACCCACCAC	COURCACCOR	CCGTTCCAGG	1440
GCCCATACCT	GGTGTTGCTG	ACTACCCCGA	CCCCCCTAAA	ACTYCATICAT	ATTCCTCCC	1500
GGGTCCATGC	TTCTCACCTC	AAACCTGCAC	CACCTTCGGC	ACCAGATGAG	TCCTGGGAGC	1560 1620
TGGAAAAGAC	TGATCATCCT	CTTAAGCTGC	GTATTCGGCG	GCGGCGGGAC	GAGTCTCCAA	1680
AATAAGAACC	CCCACCAGCC	CATGACCCTC	ACTTGGCAGG	TACTGTCCCA	AACTGGAGAC	1740
GTTGTCTGGG	ATACAAAGGC	AGTCCAGCCC	CCTTGGACTT	GGTGGCCCAC	ACTTAAACCT	1800
TCCTCTA A A C	CCTTGGCGGC	TAGTCTTGAG	TCCTGGGATA	TCCCGGGAAC	CGATGTCTCG	1860
TGGGGAGCCA	GAGTCAGACC TAGGGTGCAG	CTACCCTCC	GACTATACTG	CCGCTTATAA	GCAAATCACC	1920
TACGTATGTC	CCCGGGATGG	CCGGACCCTT	TCAGAACTA	GAATGGCAAG	CTCTACCTTC	1980
TCCCTATACT	GTAAAGAATG	GGATTGTGAG	ACCACGGGGA	CCGGTTATTG	ርርጥልጥርጥል ል ል	2040 2100 ·
TCCTCAAAAG	ACCTCATAAC	TGTAAAATGG	GACCAAAATA	GCGAATGGAC	ጥሮልልልልውጥጥ	2160
CAACAGTGTC	ACCAGACCGG	CTGGTGTAAC	CCCCTTAAAA	TAGATTTCAC	AGACAAAGGA	2220
AAATTATCCA	AGGACTGGAT	AACGGGAAAA	ACCTGGGGAT	TAAGATTCTA	TGTGTCTGGA	2280
CATCCAGGCG	TACAGTTCAC	CATTCGCTTA	AAAATCACCA	ACATGCCAGC	TGTGGCAGTA	2340
CCTCTTCCCC	TCGTCCTTGT CAAGGGAAGC	GGAACAAGGA	CCTCCTAGAA	CGTCCCTCGC	TCTCCCACCT	2400
GCGACTAGTG	CACAAACTCC	CACCCTCACA	AAAACAATTG	TTACCCTAACTC	CACAGCCCTG	2460
CCCACCACAG	GCGACAGACT	TTTTGATCTT	GTGCAGGGGG	CCTTCCTAAC	CACTCCGCCT	2520 . 2580
ACCAACCCAG	GGGCCACTGA	GTCTTGCTGG	CTTTGTTTGG	CCATGGGCCC	CCCTTD TTD TTD	2640
GAAGCAATAG	CCTCATCAGG	AGAGGTCGCC	TACTCCACCG	ACCTTGACCG	GTGCCGCTGG	2700
GGGACCCAAG	GAAAGCTCAC	CCTCACTGAG	GTCTCAGGAC	ACGGGTTGTG	CATAGGAAAG	2760
CATCACTATA	CCCATCAGCA	TCTCTGCAAT	CAGACCCTAT	CCATCAATTC	CTCCGGAGAC	2820
TGCCTCTCCA	TGCTCCCCTC CCTCAGTTTT	CAACCATAGC	TGGTGGGCTT	GCAGCACTGG	CCTCACCCCT	2880
CCTCGCATCT	ATTACTATCC	TGAAGAAGTT	TTCTTACAGG	CCTATCACAA	CCAGCTGATT	2940
AGGACTAAAA	GAGAGGCTGT	CTCACTTACC	CTAGCTGTTT	TACTGGGGTT	GGGAATCACG	3000 3060
GCGGGAATAG	GTACTGGTTC	AACTGCCTTA	ATTAAAGGAC	CTATAGACCT	CCAGCAAGGC	3120
CIGACAAGCC	TCCAGATCGC	CATAGATGCT	GACCTCCGGG	CCCTCCAAGA	CTCACTCACC	3180
AAGTTAGAGG	ACTCACTGAC	TTCCCTGTCC	GAGGTAGTGC	TCCAAAATAG	GAGAGGCCTT	3240
TACATAGACC	TTCTAAAAGA	AGGTGGCCTC	TGTGCGGCCC	TAAAGGAAGA	GTGCTGTTTT	3300
AAAAGACAGT	ACTCAGGTGC TAGAGCGCCA	GAAAAGCCAA	AACTCCTATC	AACTCAAAGA	AAAACTGGAT	3360
CCTTGGTTCA	CTACCCTGCT	ATCAACCATC	GCTGGCCCCC	TATURITOGIT	CCTTCTCTCTCC	3420 3480
CTCATCCTCG	GGCCATGCAT	CATCAATCGA	TTAGTTCAAT	TTGTTAAAGA	CAGGATCTCA	3540
GTAGTCCAGG	CTTTAGTCCT	GACTCAACAA	TACCACCAGC	TAAAGCCTAT	AGAGTACGAG	3600
CCATAGGGCG	CCTAGTGTTG	ACAATTAATC	ATCGGCATAG	TATACGGCAT	AGTATAATAC	3660
GCCCCACCTAT	AGGAGGGCCA	CCATGGCCAA	GTTGACCAGT	GCCGTTCCGG	TGCTCACCGC	3720
CCTCCACCAC	GCCGGAGCGG GACTTCGCCG	CTCTCCTCC	GACCGACCGG	ACCORCOR	CCCGGGACTT	3780
CCAGGACCAG	GTGGTGCCGG	ACAACACCCO	CCCCACCAC	TGGGTGCCCC	ICAGCGCGGT	3840
GCTGTACGCC	GAGTGGTCGG	AGGTCGTGTC	CACGAACTTC	CGGGACGCCT	CCCCCCCCC	3900 3960
CATGACCGAG	ATCGGCGAGC	AGCCGTGGGG	GCGGGAGTTC	GCCCTGCGCG	ACCCCCCCC	4020
CAACTGCGTG	CACTTCGTGG	CCGAGGAGCA	GGACTGANNN	NCGGACCGGT	CGACTTGTTA	4080

Figure 11b. FBdelPGASAF Sequence

ACTTGTTTA	T TGC & COMB	m 11maa				
ATAAACCAT	T TOCAGCTTA	T AATGGTTAC	A AATAAAGCA	A TAGCATCAC	A AATTTCACAA	4140
ATCATCTCT	CAMOOLES	G CATTCTAGT	T GTGGTTTGT	C CAAACTCAT	A AATTTCACAA C AATGTATCTT	4140
444CCC3C	G GATCCAGAT	C TGGGCCCAT	G CGGCCGCGG.	A TCGATNNNN	C AATGTATCTT A CATGTGAGCA	4200
CTCCCCCCC	AAAAGGCCA	G GAACCGTAA	A AAGGCCGCG'	T TGCTGGCGT	A CATGTGAGCA T TTTCCATAGG	4260
						4320
ACAGGACTA.	I AAAGATACC	A GGCGTTTCC	C CCTGGAAGC	T CCCTCGTGC	G GCGAAACCCG G CTCTCCTGTT	4380
						4440
						4500
						4560
						4620
						4680
TACACTAGA	GGACAGTATT	TGGTATCTG	CONCRETE	, voignings	TAACTACGGC CTTCGGAAAA	4740
AGAGTTGGT	GCTCTTGATC	CGGCAAACA	ACCACCCCTY	CMACCAGIIMO	CTTCGGAAAA TTTTTTTGTT	4800
TGCAAGCAGC	AGATTACGCC	CAGAAAAAA	GGATCTCAAC	A V V V W CO	GATCTTTTCT	4860
ACGGGGTCTG	ACCCTCACTC	GAACGAAAAC	TCACCTUANC	AAGATCCTT	GATCTTTTCT CATGAGATTA	4920
TCAAAAAGGA	TCTTCACCTA	GATCCTTTTC	. ICACGIIAAG	GGATTTTGGT	CATGAGATTA ATCAATCTAA	4980
AGTATATATG	AGTAAACTTG	GTCTGACACT	L WALLWAWWAI	GAAGTTTTAA	ATCAATCTAA GGCACCTATC	5040
TCAGCGATCT	GTCTATTTCC	TTCIGACAGI	COURCECTER	TAATCAGTGA	GGCACCTATC GTAGATAACT	5100
						5160
TCACCGGCTC	CAGATTTATC	ACC A A TRA A A C	AGIGCIGCAA	TGATACCGCG	AGACCCACGC	5220
GGTCCTGCAA	CTTTATCCGC	CTCCATCCAC	CAGCCAGCCG	GAAGGCCCA	GCGCAGAAGT	5280
AGTAGTTCGC	CAGTTAATAG	TTTCCATCCAG	TCTATTAATT	GTTGCCGGGA	AGCTAGAGTA	5340
						5400
						5460
						5520
						5580
						5640
						5700
						5760
						5820
						5880
						.5940
						6000
						6060
						6120
						6180
						6240
CTGAGAGTGC		TCGGGGCTGG	CTTAACTATG	CGGCATCAGA	GCAGATTGTA	6300
CIGNGAGIGC	AC					6312
		· ·				0312

Figure 12a. FBdelPRDSAF Sequence

CATATCCCCT CTC.	
CATATGCGGT GTGAAATACC GCACAGATGC GTAAGGAGAA AATACCGCAT CAGGCGCCAT	
TCGCCATTCA GGCTGCGCAA CTGTTGGGAA GGCGATCGG TGCGGGCCTC TTCGCTATTA	60
CGCCAGCTGG CGAAAGGGGG ATGTGCTGCA AGGCGATTGA GTTGGGTAAC GCCAGGGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCCACTAA GTTGGGTAAC GCCAGGGTTT	120
TCCCAGTCAC GACGTTGTAA AACGACGCC AGTGAATTCC GATTAGTTCA ATTTGTTAAA GACAGGATCT CAGTAGTCCA GGCTTTAGTC CTGACTCAAC AATTGTTAAA	180
GACAGGATCT CAGTAGTCCA GGCTTTAGTC CTGACTCAAC AATACCACCA GCTAAAACCA CTAGAATACG AGCCACAATA AATAAAAGAT TTTATTTACTTTTACAT TTTATTTACTTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTAC	240
CTAGAATACG AGCCACAATA AATAAAAGAT TTTATTTAGT TTCCAGAAAA AGGGGGGAAT GAAAGACCCC ACCAAATTGC TTAGCCTGAT AGCCGCACTA	300
GAAAGACCCC ACCAAATTGC TTAGCCTGAT AGCCGCAGTA ACGCCATTTT GCAAGGCATG	
GANAAATACC AAACCAAGAA TAGAGAAGAT CAGATCAAGG GCGGGTACAC GANAACAGCT AACGTTGGGC CAAACAGGAT ATCTGCGGTG ACCACTTTTT GCAAGGCATG	•
AACGTTGGGC CAAACAGGAT ATCTGCGGTG AGCAGTTTCG GCCCCGGCCC GGGGCCAAGA ACAGATGGTC ACCGCGGTTC GGCCCCGCCC GGGGCCAAGA	480
GGCCCAACCC TCAGCACTUT CTTALACACC CGGGGCCAAG AACAGATGGT CCCCAGATAT	540
GGCCCAACCC TCAGCAGTTT CTTAAGACCC ATCAGATGTT TCCAGGCTCC CCCAAGGACC TGAAATGACC CTGTGCCTTA TTTGAATTAA CCAATCAGCC TGCTTCTCGC TTCTGTTCGC	600
GCGCTTCTGC TTCCCCACCT CTATALA CCAATCAGCC TGCTTCTCGC TTCTGTTCGC	660 730
GCGCTTCTGC TTCCCGAGCT CTATAAAAGA GCTCACAACC CCTCACTCGC TTCTGTTCGC CTCCGATAGA CTGAGTCGCC CGGGTACCCG TGTATCCAAT AAATCCTCTT GCTGTTGCAT CCGACTCGTG GTCTCGCTGT TCCTTGCGAG CGCCTCCTCT GCTGTTGCAT	720 780
CCGACTCGTG GTCTCCGTCT TCCTTCCG TGTATCCAAT AAATCCTCTT GCTGTTGCAT	840
CGGGGGTCTT TCATTTGGGG CGTGGTGGGGGGGGGGGG	900
ACCCACCAC GGGAGGTAAC CTGGGGGGGGGGGGGGGGG	960
TTTATGGGGG ACCCCCCT MTGTCLAGA TCCCCCGGGC TGCAGGAATT TATGAAATCC	1020
AGACTGATTT ACAACCCCCA CTAAAACCT IGCTCAATTC CTTCTCCCCC TCCGATCCTA	
CCCTGGCCGA ATTTCTACCGA CTAAAAGGGC TGCAAGGCGT GCAGGCCCAA ATCTGGACAC	1080
CCCTGGCCGA ATTGTACCGG CCAGGACATC CACAAACTAG CCACCCATTT CAGGTGGAG ACTCCGTGTA CGTCCGGCGG CACCGCTTC AACCAMTCC	1140
ACTCCGTGTA CGTCCGCCG CACCGCTCTC AAGGATTGA GCCTCGTTG AAGGACCTT ACATCGTCCT GCTGACCACG CCCACCGCCA TAAAACTTGA GCCTCGTTGG AAGGGACCTT	1200
ACATCGTCCT GCTGACCACG CCCACCGCA TAAAGGTTGA CGGGATCGC GCCTGGATTC	1260
ACGCATCGCA CGCCAAGGCA GCCCCAAAAA CCCCTGGACC AGAAACTCCC AAAACCTGGA	1320
AGCTCCGCCG TTCGGAGAAC CCTCTTAAGA TAAGACTCTC CCGTGTCTGA CTGCTAATCC	1380
ACCTTGTCCC TGTACTAACC CAAAATGAAA CTCCCAACAG GAATGGTCAT TTTATGTAGC	1440 1500
CTAATAATAG TTCGGCAGG GTTTGACGAC CCCCGCAAGG CTATCGCATT AGTACAAAAA	
CAACATGGTA AACCATGCGA ATGCAGCGGA GGGCAGGTAT CCGAGGCCCC ACCGAACTCC	1560
ATCCAACAGG TAACTTGCCC AGGCAAGACG GCCTACTTAA TGACCAACCA AAAATGGAAA	1620
TGCAGAGTCA CTCCAAAAAT CTCACCTAGC GGCGAGAAC TCCAGAACTG CCCCTGTAAC	1680
ACTITCCAGG ACTCGATGCA CAGTTCTTGT TATACTGAAT ACCGGCAATG CAGGCGAATT	1740 1800
AATAAGACAT ACTACACGGC CACCTTGCTT AAAATACGGT CTGGGAGCCT CAACGAGGTA	1860
CAGATATTAC AAAACCCCAA TCAGCTCCTA CAGTCCCCTT GTAGGGGCTC TATAAATCAG	1920
CCCGTTTGCT GGAGTGCCAC AGCCCCCATC CATACTCCCTT GTAGGGGCTC TATAAATCAG ACTAAGAGAG TGTGGACAGT CCAAAAAGC CATACTCCG ATGGTGGAGG ACCCCTCGAT	1980
ACTAAGAGAG TGTGGACAGT CCAAAAAAGG CTAGAACAAA TTCATAAGGC TATGACTCCT	2040
GAACTTCAAT ACCACCCTT AGCCCTGCCC AAAGTCAGAG ATGACCTTAG CCTTGATGCA	2100
CGGACTTTTG ATATCCTGAA TACCACTTTT AGGTCAGAG ATGACCTTAG CCTTGATGCA GCCCAAGATT GTTGGCTCTG TTTAAAACTA CGTTAGCCTT AGATGTCCAA TTTTAGCCTT	2160
GCCCAAGATT GTTGGCTCTG TTTAAAACTA GGTACCCCTA CCCCTCTTGC GATACCCACT	2220
CCCTCTTTAA CCTACTCCCT AGCAGACTCC CTAGCGAATG CCTCCTGTCA GATACCCACT	2280
CCCCTCTTGG TTCAACCGAT GCAGTTCTC AACTCGTCT GTTTATCTTC CCCTTTCATT	2340
AACGATACGG AACAATAGA CTTAGGTGCA GTCACCTTTA CTAACTGCAC CTCTGTAGCC AATGTCAGTA GTCCTTTATG TGCCCTAAAC GCCCTCTTA CTAACTGCAC CTCTGTAGCC	2400
GCATACACCT ATTTACCCCA ALACCICATAC GGGTCAGTCT TCCTCTGTGG AAATAACATG	2460
GCATACACCT ATTTACCCCA AAACTGGACC AGACTTTGCG TCCAAGCCTC CCTCCTCCCC GACATTGACA TCAACCCGGG GGATGAGCCA GTCCCATTC CTGCCATTGA TCATTATATA CATAGACCTA AACGAGCTGT ACAGTTCATC CTGCCATTGA TCATTATATA	2520
CATAGACCTA AACGAGCTGT ACACTTCATA GCCCCATTC CTGCCATTGA TCATTATATA	2580
GCATTCACCA CCGGAGCTAC ACCCGTACCC CCTTACTAG CTGGACTGGG AATCACCGCA	2640
CATCAGTTAA TATCTGATGT CCAACTAGGT GCCCCGTCA CCCAGTATAC AAAATTATCC	2700
GTAGACTCGT TAGCTGAAGT ACTIONS ACTION TO THE TAGCAGATTT ACAAGACCAG	2760
GAACAAGGA GAATTTGTTT ACCOUNTS ANTAGAAGGG GACTGGACCT ACTAACGGCA	2820
GGAATTGTGA GAAACAAAAT AAGAACCCTA CAAGAAATGCT GTTTTTATGC TAACAAGTCA CTGGCAACCA ACCCTCTCTG GACCGCCTC CAAGAAAT TACAAAAACG CAGGGAAAGC	2880
CTGGCAACCA ACCOTCTCTG GACCGGGCTG CAGGACATT TACAAAAACG CAGGGAAAGC CTGGGACCCC TACTCACCCT CCTACTCATA CTAACCTTTC TTCCGTACCT CCTACCTCTC	2940
CTGGGACCCC TACTCACCCT CCTACTCATA CTAACCATTG GGCCATGCGT TTTCAGTCGC CTCATGGCCT TCATTAATGA TAGACTTAAT CTACTCATCG GGCCATGCGT TTTCAGTCGC	3000
CTCATGGCCT TCATTAATGA TAGACTTAAT CTAACCATTG GGCCATGCGT TTTCAGTCGC TACCAAGCAC TCAAAGCTGA GGAAGAACT CACCATTGAGCCC CCATGGTGCT GGCCCAGCAA	3060
TACCAAGCAC TCAAAGCTGA GGAAGAAGCT CAGGATTGAG GCGCCTAGTG TTGACAATTA	3120
ATCATCGCCA TAGTATACGG CATAGTATAA TACGACTCAC TATAGGAGGG CCACCATGGC	3180
CAAGTTGACC AGTGCCGTTC CGGTGCTCAC TATAGGAGGG CCACCATGGC CTGGACCGAC CGGCTCGGGT TCTCCCCCA CGCGCGGAC GTCGCCGGAG CGGTCGAGTT	3240
CTGGACCGAC CGGCTCGGGT TCTCCCGGGA CTTCGTGGAG GACGACTTCG CCGGTGTGGT CCGGGACGAC GTGACCCTGT TCATCACCC CCGTGTGGAG GACGACTTCG CCGGTGTGGT	3300
CCGGGACGAC GTGACCCTGT TCATCAGCGC GGTCCAGGAC CAGGTGGTGC CCGGACAACAC	3360
CCTGGCCTGG GTGTGGGTGC GCGGCCTGGA CAGGTGGTGC CGGACAACAC GTCCACGAAC TTCCGGGACG CCTCCGCGC CGGCCTGTAC GCCGAGTGGT CGGAGGTCGT	3420
GTCCACGAAC TTCCGGGACG CCTCCGGGCC GGCCATGACC GAGATCGGC AGCAGCCGTG GGGGCGGGAG TTCGCCCTGC GCGACCCC GGCCATGACC GAGATCGGCG AGCAGCCGTG	3480
GGGGCGGAG TTCGCCCTGC GCGACCCGGC CGCCATGACC GAGATCGGCG AGCAGCCGTG GCAGGACTGA NNNNCGGACC GGTCGACTTC TTA ACTION GTGCCCAGGA	3540
GCAGGACTGA NNNNCGGACC GGTCGACTTG CGGCCAGCTGC GTGCACTTCG TGGCCGAGGA ACAAATAAAG CAATAGCATC ACAAATTTCA CTAACTTGTT TATTGCAGCT TATAATGGTT	3600
ACAAATAAAG CAATAGCATC ACAAATTTCA CAAAATAAAGC ATTTTTTTCA CTGCATTCTA	3660
GTTGTGGTTT GTCCAAACTC ATCAATGTAT CTTATCAGT CTGGATCCAG ATCTGGGCCC ATGCGGCCGC GGATCGATNN NNACATGTGC	3720
ATGCGGCCGC GGATCGATNN NNACATGTGA GCAAAAGGCC AGCAAAAGGC CAGGAACCGT	3780
AAAAAGGCCG CGTTGCTGGC GTTTTCCAT AGGCTCCGCC CCCCTGACGA GCATCACAAA	3840
AATCGACGCT CAAGTCAGAG GTGGCGAAAC CCGACGGAC TATAAAGATA CCAGGCGTTT	3900
CCCCCTGGAA GCTCCCTCGT GCGCTCTCCT GTTCCGACCC TGCCGCTTAC CGGATACCTG	3960
TCCGCCTTTC TCCCTTCGGG AAGCGTGGCG CTTTCTCAAT GCTCACGCTG TAGGTATCTC	4020 4080
	2000

Figure 12b. FBdelPRDSAF Sequence

Figure 13. hCMV10A1 Sequence

			TOWN A A D A TOWN	CCTYCTYC NITYCC	СССАТАСТТА	60
AGATCTCCCG	ATCCCCTATG	GTCGACTCTC	AGTACAATCT	SCICIONICC	COCCADAAMO	
AGCCAGTATC	TGCTCCCTGC	TTGTGTGTTG	GAGGTCGCTG	AGTAGTGCGC	GAGCAAAATT	120
ጥክ አርርጥአር እ እ	CAACCCAACC	CTTG&CCG&C	AATTGCATGA	AGAATCIGCI	TAGGGTTAGG	180
	TO THE PROPERTY OF A STATE OF A S	ጥርጥልሮርርርር	AGATATACGC	GTTGACATTG	ATTATTGACT	240
አርጥጥ አጥጥ አ ውጥ	አርጥአ አጥር እ አጥ	TACGGGGTCA	TTAGTTCATA	GCCCATATAT	GGAGTTCCGC	300
COULTITION	TTACGGTAAA	TOCCOCCOC	CCCTGACCGC	CCAACGACCC	CCGCCCATTG	360
GTTACATAAC	TGACGTATGT	TOGCCCOCCI	ACCCCA ATAG	CCACTTTCCA	TTGACGTCAA	420
ACGTCAATAA	TGACGTATGT	TCCCATAGTA	ACGCCAATAG	A TOO A COTOON	TCATATCCCA	480
TGGGTGGACT	ATTTACGGTA	AACTGCCCAC	TIGGCAGTAC	ATCAAGIGIA	TCATATGCCA	
AGTACGCCCC	CTATTGACGT	CAATGACGGT	AAATGGCCCG	CCTGGCATTA	TGCCCAGTAC	540
አ መረግ እ ርርጥጥ እ ጥ	CCCACTTTCC	TACTTGGCAG	TACATCTACG	TATTAGTCAT	CGCTATTACC	600
N MCCMC N MCC	CCTTTTTTCCCA	CTACATCAAT	GGGCGTGGAT	AGCGGTTTGA	CTCACGGGA	660
AIGGIGAIGC	TCCACCCCAT	TCACCTCAAT	CCCACTTTCT	TTTGGCACCA	AAATCAACGG	720
TTTCCAAGIC	AATGTCGTAA	CARCUCCCCC	CCATTGACGC	AAATGGGCGG	TAGGCGTGTA	780
GACTTTCCAA	AATGTCGTAA	CAACICCGCC	CCATIGACGC	CACAACCCAC	TGCTTA ACTG	840
CGGTGGGAGG	TCTATATAAG	CAGAGCTCTC	TGGCTAACTA	COCACCOMMC	A TOCT TIME COMMO	
GCTTATCGAA	ATGTCGACTG	AGAACTTCAG	GGTGAGTTTG	GGGACCCTIG	ATTGTTCTTT	900
	ለጥጥረጥልልልእጥ	ጥሮ አጥር ጥጥ አጥ አ	TGGAGGGGGC	AAAGTTTCA	GGGTGTTGTT	960
MA CAR AMOCOCA	እርእጥርጥርርርጥ	ጥርጥልጥርልርርል	TGGACCCTCA	TGATAATTT	GITTUILLE	1020
	ጥርጥጥር እር እ እር	CATTGTCTCC	TCTTATTITC	TTTTCATTT	CIGIMACIII	1080
CTTTCTACTC	TTTAGCTTGC	PARTICIO DE CO	AAATTYTYTYTAAA	TTCACTTTTG	TTTATTTGTC	1140
TTCGTTAAAC	TACTTTCTCT	ATTIGIAACG	MULLING FORCE	AATCAGGGTA	TATTATATTG	1200
AGATTGTAAG	TACTITCTCT	AATCACTTT	TITICAAGGC	MC N PO N C C T N	CAATATTTCT	1260
TACTTCAGCA	CAGTTTTAGA	GAACAATTGT	TATAATTAAA	TGATAAGGTA	DAMINITICI	
TARRENA CO	かんかんけんかんけん	CTCCAAATAT	TCTTATTGGT	AGAAACAACT	ACATCCTGGT	1320
CAMCAMCONC		ጥልጥርርጥጥልሮል	ATGATATACA	CTGTTTGAGA	TGAGGATAAA	1380
NO NOTICE OF CO.	TOCABACCEC	CCCCCTCTCCC	TAACCATGTT	CATGCCTTCT	TCTTTTTCCT	1440
ATACICIGAG	GGCAACGTGC	CCCCCTCTCC	CCTCTCTCAT	CATTTTGGCA	AGGATCGGCC	1500
ACAGCTCCTG	CAGGACCGAC	1661161161	CACCCTTCTCTC	AAAACCCCTT	AAAGATAAGA	1560
GGAACAGCAT	CAGGACCGAC	ATGGAAGGTC	CAGCGIICIC	ANCACTACCC	ATTCCCAGAGA	1620
TTAACCCGTG	GAAGTCCTTA	ATGGTCATGG	GGGTCTATTI	AAGAGIAGG	CCCCCTACCC	1680
GCCCCCATCA	GGTCTTTAAT	GTAACCTGGA	GAGTCACCAA	CCTGATGACT	GGGCGTACCG	
		CCXXCTCTXC	A ACCAPT ACCULT	CCCAAGATIA	INITIONIC	1740
	CCTCCCACAA	CACTCCCACC	CTTCAGACCA	GGWWCCWIWI	GICGGGINIG	1800
		<b>カベスススにつびこ</b> る	CCCCCACTTTT	IGACILIAC	GIGIGCCCIG	1860
GCTGCAAATA	AAAATCGGGG	MCMCCCCCCC	CANGAGAGGG	CTACTGTGGT	GAATGGGGTT	1920
GGCATACCGT	CGGACAGGCT	161666666	CCACACCACC	ATCCCACCTA	ATCTCCCTTA	1980
GTGAAACCAC	CGGACAGGCT	TACTGGAAGC	CCACATCATC	CCCMMCMCCC	CCCTCCTACG	2040
AGCGCGGTAA	CACCCCCTGG	GACACGGGAT	GCTCCAAAAT	GGCTTGTGGC	TOCAL ACCOME	2100
	3 CM 3 MCC 3 3 M	m	CCCCTACTCG	AUGUGGAAA	IGCURCECTE	
	8 መመረገ እ ረመረግ እ ጥ	CCRCCRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	ACCC TIVA AT TU	JUNCUUCC	WWICGIOGO	2160
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	へつりりつりつりつ	C'T'ATI"I ACCAT	GITCICCIG	MCCCGCCWGG	2220
maama a amam	* CCCCCCCCC	እጥፖርፖር እጥጥር	CCCCTAATCC	CCIGNICACI	GG 1 CVVC IVC	2280
TCCTCAATAT	ACCCGTGCAG	ATCCCCATTO	CCAGGCCTCC	TCAGCCTCCT	CCTACAGGCG	2340
CCCCCTCCCG	ACCCGTGCAG	ATCAGGCTCC	CCAGGCCICC	A COTTOGGA CG	GGAGACAGGC	2400
CAGCCTCTAT	ACCCGTGCAG	ACTGCCCCAC	CTICICAACA	ACCIGGORCO	CACARGACCC	2460
TGCTAAACCT	GGTAGAAGGA	GCCTATCAGG	CGCTTAACCT	CACCAATCCC	GACAAGACCC	2520
		CTCTCCCCAC	CTCCTTATTA	CGWWGGWGIW	GCGG1CG1GG	
	רוא אורעריוא תארעריתו	- X CCCCCCCC	CCAGCIGIAC	GGCGACTICC	CWWCWIWOC	2580
	マンスス ひつて ころ へん	CCACACCCC	TATGCATGGG	MCCWCIMCC!	WWW. I CUCC	2640
	. MR RCRCCRCC	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	COTOAGGATU	CINCINCELL	GCAGCACCC	2700
AGGCCTTATG	GTGGGCTTGT	P CONTROLOGO	TO A CTYCE CTYCE	CTTGTCCACC	ACGATGCTCA	2760
CTGGAACAAT	GIGGGCTIGT	AGCAC1GGA1	* COMOTOCCO	CACAATAATT	TACCACTCCC	2820
ATCTAACCAC	: AGACTATTGT	GTATTAGTTG	AGCICIGGCC	MARCACCCAC	CCACTATYCT	2880
CCGATTATAT	GTATGGTCAG	CTTGAACAGC	GTACCAAATA	TAAGAGGGAG	CCASIATOCCA	2940
	. ~~~~~~~~~		CCATTALACE	CANTIGCAGE	GOTTINGOOT	3000
	, <u>~~~~~</u> ~~		L ACTIVITY ACTOR	CCIICACGCC	, GCIMICHIC	
		מיווידוי א אייטיוו א א	TTALEA	MANGICACIO	NCCICOIA CO	3060
	,		" TA(:A'!" " 14:1	CIICINN	i gradanare	3120
						3180
TCTGCGCAGC	CCIAAAAGAA	CARRECTEDIA	ATCAGAGACA	AAAACTATTT	GAGTCAGGCC	3240
ACAGCATGGC	CAAACTAAGG	GAMAGGCIIA	VICTOROLOGICA	ጥልርርልርርጥጥ	ATCTCCACCA	3300
AAGGTTGGTT	CGAAGGGCAG	TTTAATAGAT	CCCCTGG11	TACCA CCCTCC	ATCTCCACCA	3360
	י התייחא א החייחה י	בארים עיושוי אינים	THE THACHTEN	TOOMCCCTO	· WIICIMAIL	3420
		<b>一 ぐり ぐり ぐくり サぐり</b>	י כאנייאניוענט	( CCCTTTWG1/	CIGNCICUM	3480
		, amacacmacc	2 ACCCCATACAA	CGCCINGIG	T T CATACOURT TERM	3540
	- 10M1M10000	י ממיח מיחים אחח מי	רי ארוכארייויר אניי	WINGGROOM	- CACCAIGGG	
						3600
						3660
						3720
CGGGACGAC	G TGACCCTGTT	CATCAGCGCC	- CICCAGGAC	CCCACTCCT	CCACCTCCTC	3780
						3840
						3900
GGGCGGGAG'	T TCGCCCTGCC	CGACCCGGC	C GGCAACTGC	TGCACTICG	T GGCCGAGGAG	3925
CAGGACTGA	N NNNCGGACCO	GTCGA				3763
JJ		•				